

TERRITORIAL TERRORISTS: America Dismembered

AMERICAN SURVIVAL

JUNE 1987 VOL. 9 NO. 6
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When a nuclear incident occurs, don't you want to know immediately if you and your family are in danger from radiation contamination? Our public officials are there to protect the "PUBLIC". Who is going to protect you? Advance warning of radioactive contamination is vital to give you the edge in leading your family to safety, be it to a shelter or evacuation. **SURVIVOR** radiation warning receiver will alert you when a significant increase in radiation occurs due to a nuclear war or a major "peace time" disaster. You need to be aware of the many potential life threatening problems so you may react immediately to protect your safety and the safety of your family. **SURVIVOR** radiation monitoring receiver, plugged into any 110 volt outlet will notify you immediately of any significant increase in the radiation level. **SURVIVOR** detects Alpha, Beta, Gamma, X-ray, and high concentrated levels of Radon gas. Like it or not, we are living in the nuclear age. The question of right or wrong will be the topic for years to come. However, you DO need to know of a significant increase of radiation around your home, office, or business NOW. Our public officials are out to protect us and warn us of problems, but prompt notification sometimes just isn't possible. As we move further into the nuclear age, radioactive accidents and contamination are likely to occur. If it affects you, you'll want to know at the earliest possible moment so you can lead your family to safety. Often, the local citizen is the last to know. If this concerns you, then you need **SURVIVOR**. After all, it may be your only alternative to not knowing.

Possible Sources of Radioactive Contamination

The most commonly publicized sources are commercial nuclear reactors. The threat of a melt down or partial melt-down such as Chernobyl or Three Mile Island is an ever-growing concern. There are over 100 commercial reactors in the United States with over 25 additional on order. Plants that process radioactive ore could be common sources of radiation. Escaping ore dust or fumes leaking from filter systems and smoke stacks are reported constantly. Major highways and rail lines used to transport radioactive waste to a dump or storage site are possible high risk areas. The number of truck accidents and train derailments are on an ever-increasing occurrence. The list goes on and on, increasing weekly.

Your Family Security

SURVIVOR radiation warning receiver will give you immediate notice of any significant increase in the radiation level of your home or office. Prompt warning of a potential radiation problem will allow YOU to make the decision to evacuate the area before a higher level of radiation occurs. Early knowledge of a radiological emergency can allow you the time to beat the traffic and avoid the panic. The sooner you are aware of the problem, the sooner you can move your family to safety. In the finance

world, the saying is, "time is money". In this world, "time is life". Don't forget to take **SURVIVOR** with you for added protection.



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by James W. (Jim) England
Master Sergeant, U.S. Army (Ret)

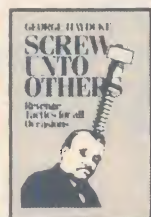
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by Bruce Clayton, Ph.D.

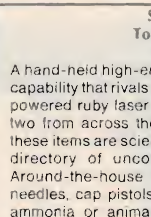
Who will survive the nuclear war that many experts predict is coming? **Life After Domsday** tells you how to survive such a radioactive nightmare. Includes eye-opening information about shelters, food storage, home medical techniques, survival psychology, and shelter defense. 8½ x 11, hardcover, charts, drawings, photos, 180 pp. **\$21.95**



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by Don-Paul Cox

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by John Watson

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by Ragnar Benson

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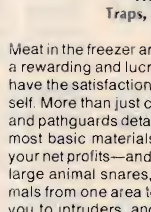


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AMERICAN SURVIVAL GUIDE

VOLUME 9, NUMBER 6 JUNE, 1987

THE MAGAZINE FOR SAFER LIVING

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American Industries' Calico M-100 Carbine and Pistol provide shooters with high tech, high capacity .22LR firearms. See page 28 (Photo by Bud Lang).

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The author's Thompson Center Hawkins .50 caliber rifle.

Survive With Kits

Buy it in kit form, then make it yourself . . .

By Louls Bignami



Showshoe kits such as these Early Winters models offer a solid snow transport choice.

KITS suit survivalists. Kits offer 30 to 50 percent savings so you can buy more gear for the dollar. Kits let you add custom features so you can hide weapons or add other special touches to exactly suit your needs.

However, the biggest advantage of kits is repair. If you build it you can fit it. Kits last longer than many store-bought items too.

Engineers design kits for durability even without careful assembly. So if you do the

job according to directions you get maximum durability. You know the materials are first rate. You see gear before it goes together so defects cannot be hidden.

Since kits store compactly you can buy them and stash them until needed too. Kits add one final advantage, they offer the satisfaction of a total job so often lacking in today's fragmented world.

Kits come in more flavors than Baskins and Robbins. You can smith up a black-powder weapon, assemble a crossbow, put together a knife or make your own mocs and camo gear. You can build 2WD and 4WD two, three, four and more wheel vehicles. You can build canoes, kayaks, skiffs, johnboats or even ocean-going power or sailing craft. You can build ultra-light aircraft and other planes. If you like you can live in kit homes or cabins. All sorts of electronic kits meet survivalist needs.

As always, intelligent selection keys value. Except for aircraft and a few vehicle kits, specialized skills are not needed. At least not for the 100 or more kits I have assembled. I should note here that I am a reasonably skilled cabinetmaker but relatively unfamiliar with mechanical and electrical work. Even so I have built vehicles,

boats, depth finders, intercoms, TV and other items by following directions one step at a time. Any procedure that takes special skills or tools is done at the kit factory.

Before we look at individual kit classes let us look at kits from the consumer's viewpoint. Since you see the "innards" of your gear, manufacturer's must provide top grade materials.

Manufacturers can provide such materials because they sell direct and do not split profits with middlemen and retailers. They also change models less frequently and can carry a smaller inventory of materials so their finance cost is low as well. You pay for the shipping and supply much of the labor. So they enjoy a decent profit margin. They also depend on word of mouth advertising for much of their sales. One test of quality is the willingness of a manufacturer to refer you to happy buyers. Another is the duration of the kit company; those in business three years or more should be around if you later have problems.

A good test of quality is the guarantee. Look for a "no questions asked, send it back if you don't like it" guarantee. Ask about phone help—"your dime"—and favor manufacturers near your home to cut shipping costs.

I find quality the key to results. For example, you can buy cheap black powder rifle kits for under \$100. You can also buy lovely Thompson-Center Hawkins rifles with walnut stocks for twice the price. It takes at least as many hours to put the "el cheapos" together—top grade gear often assembles faster. I find quality costs less in the long run as it implies durability and, if you find you need something else, improves resale value.

So consider price, but realize the real cost of an item is the purchase price divided by the number of times it is used.



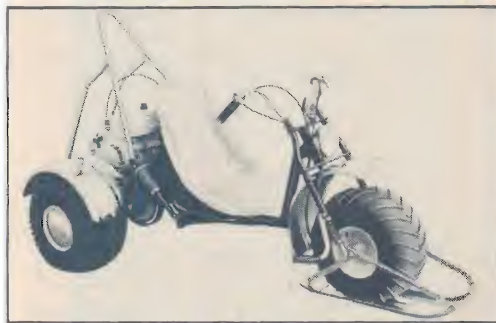
Greenhouse kits allow year-round vegetables and aid as solar collectors for passive heating systems.



Heald Super Tryke.



The main task in assembling kits is following basic directions.



Heald 3-wheel Tryke with ski option.

Price means *total* price. Some kits only require assembly. Others require additional outlays for finishes. Some, such as vehicles, aircraft or boats, sink budgets with options or special tools. Don't forget shipping costs.

While you require very few exotic tools to assemble kits I have found manufacturer's recommendations sound. If they say "X tool makes assembly much easier" you can bet the same job with the standard tools you have in a home workshop takes forever.

You should carefully consider your work space and time before you order any kit. Every year builders need to use cranes to hoist boats over houses. A buddy even built a massive gun rack in a room with an undersized door we had to remove. I couldn't complain, I installed a solar hot

water heater in my basement; then discovered its heater was two inches larger in diameter than my crawlspace door!

If possible set up a workspace where you can work in sunlight—this is most important if sewing dark fabrics—and try to set up work so it can stay up until the project is complete. Otherwise you spend too much time putting things away.

Once you know you have the desire, the space and the tools you need, it is time to consider kits. Try to order as many catalogs as possible so you can see exactly what you get for your dollar. Compare features closely. Realize that "suggested completion times" like everything else, need to be doubled in the real world, except for the mechanically gifted.

Insist on referrals of satisfied customers if you consider any big ticket kit. Other builders help you over rough spots and suggest short cuts, local suppliers or optional gear and more.

Then call the "800" number and use plastic money if you like. If you send a personal check, many manufacturers will clear the check before they ship. If you use a cashier's check or money order you may lack recourse if you have a problem.

The day your kit arrives—you might want to be there on big ticket items—immediately check the container(s) for damage. Damages in transit seem the

responsibility of the carrier, but manufacturers need to know immediately to get replacement parts on the way.

Next open the packages and check off their contents against the packing list. Clothing and other kits with lots of parts seem most likely to omit pieces. Most include a replacement parts listing. I figure this is their fault and call their "800" number or collect for immediate replacement.

Now sit down and read the instructions at least twice. I like to underline any sections that do not seem transparently clear. Realize that instructions are written for those with no technical knowledge. Don't assume that assembly is the same as the methods professionals use. Try to separate small parts such as bolts and screws. Use the pictorials most kits provide. You might store parts in empty egg cartons marked with a felt pen. Finally, plan assembly in sections so you can work for a few hours at a time. If you work nonstop you get tired and make mistakes that—at least in my case—take longer to rectify than doing it right.

Now that you see how to shop and set up for kits, let us see what is available and the specific advantages and potential pitfalls of major kit classes.

Clothing—While not as glamorous as guns and such, survivalists know clothing and footgear are the key to comfort in the field. Both wear out fast in a survival situation. General considerations that apply to clothing also apply to soft goods such as packs or tents.

Clothing kits come with all sorts of special features such as removable sleeves. Most companies offer free or low cost "customizing" booklets in addition to informative illustrated catalogs. Vests and pile garments seem the easiest approach. Save multilayered fill parkas and such for second or third tries.

All standard fills and state-of-the-art materials such as Gore-Tex come in kit form. However, piles and other "solid" materials sew up faster and more easily than fill garments. Fills require baffled inner and outer layers and more complex designs. Piles only need edge sewing to prevent raveling and edge seams.

Survivalists do have special requirements. Nylons tend to be noisy in the woods and any slick finish flashes in sunlight. Cordura offers more durability. Pile, while it lets breezes cut through if not topped with a shell, seems the quiet choice just now available in camo.

As a rule, garments with a single function such as weatherproofing or insulation, get worn more often than insulated weatherproofing garments. Layer on the functions you need; remove those you do not, and carry the extra in a waist pack or knapsack if you like and you survive with a smaller outfit.

Kits mean choice. For example, I

(Continued on page 56)

TO THE POINT

On being caught unprepared . . .

IT was last year during the winter, as I remember it. Must have been about 1 a.m. It was raining hard outside. I could hear the rain pouring down through the slightly open window there in my bedroom.

The rain was the first thing I noticed, groggy from a deep sleep, as they moved noisily by my bedroom window toward the front door of our home. The pouring rain and then the boisterous voices of the—I guessed—three strapping young males heading toward the front door. From the noise they made by their talk and movements I could tell they were probably good sized young men, probably in their 20s.

There was animated discussion among them, punctuated by profanity and tough talk. They were in a hurry to get out of the rain.

The next thing I remember was a strong, violent pounding on the front door down the hallway from my room: **BAM! BAM! BAM!!**

"Open up or I'm gonna kick this GD door down!! came the booming voice from outside the door.

At this point the others in my home were waking up and, like me, were asking out loud, "What the heck?!"

"Open up, I say, GD it!! OPEN UP!!" we heard the angry voice demanding. The others with him were adding their demands for us to open the door.

Again the violent pounding on the door. It seemed like they were indeed serious and intended to actually knock the door down to get in.

What in the world did they want? Why were they doing this at 1 a.m. and who were they?

These thoughts raced through my head as I stumbled from my bed and reached for the Government Model .45 I always keep nearby. It wasn't there!

A sickening feeling filled the pit of my stomach as I realized that, having been away the day before on an outing where I hadn't brought along a weapon, I'd locked and otherwise secured away my .45 along with my other firearms. It would take several minutes at least to get past my rather elaborate security measures (one of my worst fears is that someone will steal my firearms) to get to the weapons I owned.

The pounding and noise from the front door continued.

"Pound on that door, pound on it, I say!!" came the booming voice again.

Were these men going to break in and rob us? Kill us?! Oh God! What had I done? Of all the times not to have a weapon handy when on every other night it had been there ready to be used in an

instant! Had I killed myself and my family?!

But suddenly, amid the jumble of curse words being hurled at us from outside the front door, I detected laughter. I listened closely.

These guys were probaby drunk, I surmised from the way they spoke and, now, from their increasing laughter.

Then it came to me. These punks were probably looking for a pal of theirs; most likely the guy next door who we often heard fighting with his wife and who seemed to have a penchant for loud parties and rowdy friends.

"You've got the wrong house," I yelled out the window at them. After all, our two homes were quite similar, and in the dark and pouring rain they probably didn't know the difference.

There were a few seconds more of angry talk and demands from them for the door to be opened, more laughter amid their tough talk and more pounding on the door. I kept on yelling at them through the window. "You've got the wrong house! Get outa here or I'll call the cops!"

Suddenly, they appeared to realize their mistake and all three bolted past my window and around the corner of the place next door. Seconds later we heard them pounding on our neighbor's door and yelling for him to let them in, which, he or his wife apparently did, much to everyone's relief.

Fully awake now, I began to get angry. Those jerks! What if they had broken in and confronted us thinking we were the people next door and that they'd play a joke on us to scare us? Would I have used the .45 on them? I was pretty scared there for a few moments.

Looking back on it today, I really can't say what I would have done. Would I have perhaps fumbled with the gun in my sleepines and accidentally shot myself or another member of my family? Would I have shot at them if they had barged in, had the door not been bolted shut? And if I had shot at them, would I have fired a warning shot or shot to kill?

When all is said and done, I'd have felt a lot better if I'd had that loaded, cocked .45 in my hands while they were pounding on that front door of mine. I think I could have reasoned with them to leave. Had they broken in and I had shot one or more of them, it would have been their fault. I'd have to hope the county prosecutor saw it my way, but of course it would all depend on the circumstances. One thing's for sure, never again do I want to be caught unprepared like that. If there is a next time, it might be for real—*Jim Benson.*



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SURVIVAL LINE

A second 'great crash?,' banking after the 'big one' in California, gun freedom and paramilitary laws, 'No' to civil defense . . .

THE well known and respected economist John Kenneth Galbraith is warning that the seeds for another "great crash" like that of 1929 may be taking root in the nation's economy. In a number of recent articles and interviews, Professor Galbraith has noted a disturbing rise in similarities between current economic conditions and those preceeding the crash of '29. Citing the current wave of corporate takeovers, similar to those in the late 1920s, Galbraith predicts such actions will "eventually be regarded as no less insane than the utility and railroad pyramiding and investment trust explosion of the 1920s." He notes other similarities between the current "bull" market on Wall Street and that which existed during the late 1920s. Both markets he says, were based upon speculation and not firm economic foundations. "The market at this stage is inherently unstable . . . the wise course is to assume the worst," says Galbraith. One other disturbing parallel is noted by Professor Galbraith. Just before the crash of '29 the financial world was repeatedly shaken by the prosecution and jailing of some of the most well known and respected financiers in the country.

Banking On The Big One—California banking officials have been making plans to cope with the effects of a major earthquake within the state. According to the plans the major banks in California will link up with each other through in-house radio systems, in an attempt to coordinate post-quake activities. The banks will attempt to restore operations by relocating key officials to an alternate "state banking center" which will be established in an undamaged portion of the state. These key officials have already been identified and issued with special yellow "emergency earthquake passes" which will allow them to cross police lines enroute to their assigned posts.

Vital banking records have been stored in various locations throughout the state, and are updated daily. These will be used to reconstruct the files needed to restore banking operations.

A limited test of the emergency banking plans was held in December 1986. The test was reported by state and banking officials to be a success.

Firearms, Paramilitary Laws—A resolution has been introduced in the Wyoming State Senate which would strengthen the citizen's right to bear arms. The resolution, in the form of an amendment to the

Wyoming Constitution, would protect the rights of Wyoming citizens to possess firearms even if such possession was in opposition to federal gun control laws. Prospects for passage of the amendment are seen as good.

The New Mexico chapter of the Anti-Defamation League of B'nai B'rith is seeking a state legislator to sponsor a bill which would outlaw paramilitary groups within the state. Spokesmen for B'nai B'rith say such a law is needed because many paramilitary groups espouse anti-Semitism.

NO To Civil Defense—The federal government recently held tests in the Northwest of an emergency communications system designed to be used in the event of a nuclear attack on the U.S.

Four states, Idaho, Washington, Alaska, and Oregon, were scheduled by FEMA, the Federal Emergency Management Agency, to take part in the tests. Of those scheduled, only Idaho and Alaska actually participated.

In a move which shocked federal officials, the governors of Washington and Oregon refused to take part in the drills. Both Governors cited concerns that merely practicing to survive a nuclear war might encourage one. The anti-nuclear group, Physicians for Social Responsibility, applauded the stand taken by the governors of Washington and Oregon, and said through a spokesman that "if one makes plans to survive a nuclear war . . . it makes the event more likely."

Nuclear Winter Or Nuclear Fall?—Four years ago the anti-nuclear movement seized upon the "Nuclear Winter" theory to support their calls for worldwide nuclear disarmament. The theory, first proposed by Dr. Carl Sagan and some of his colleagues, focused upon predictions that a nuclear war would induce disastrous climatic effects that could destroy all life on earth.

At a meeting of the American Association for the Advancement of Science earlier this year, a number of researchers and scientists took issue with the nuclear winter theory. New calculations show that the climatic effects of a nuclear war would be far less serious than earlier predictions indicated. There would be in effect, a "nuclear fall" instead of a nuclear winter, according to the new calculations. The nuclear fall would not threaten the continued existence of life, and would last only a few weeks at the most, say the researchers. ●

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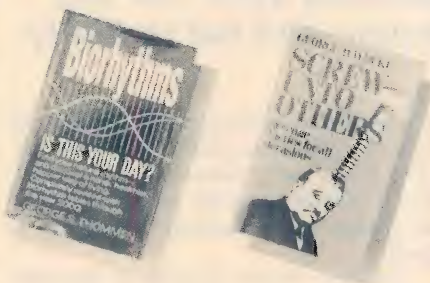
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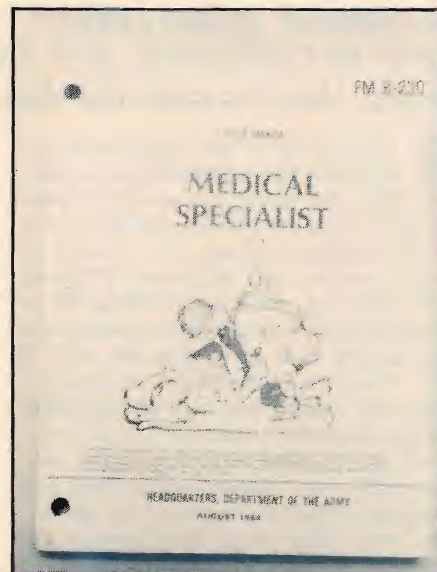


Biorhythms: Is This Your Day, by George S. Thommen; Crown Publishers, Inc., Dept. ASG, 225 Park Avenue South, New York, NY 10003; (212) 254-1600; 136 pages, hardcover; \$12.95; ISBN 0-517-56244-8.

More than 50 years of research and experimentation brought the world the theory of biorhythm, which posits three natural human cycles; the intellectual, the emotional, and the physical. Knowing these, you can predict patterns of behavior using a chart of your own personal highs and lows—and those of others. Authority George S. Thommen traces the development of the biorhythm theory and cites remarkable evidence for its validity. He explains how biorhythms are derived, presenting a complete, easy, step-by-step method for determining your personal rhythms for years into the future. If you're interested in learning more about biorhythms, this is your book.

Screw Unto Others: Revenge Tactics for All Occasions; by George Hayduke; Paladin Press, Dept. ASG, P.O. Box 1307, Boulder, CO 80306; (303) 443-7250; 231 pages, hardcover; \$14.95 plus \$3 postage and handling.

"... in today's real world, hate, meanness, and violence rarely take a nap," says the author, who goes on to list a surprising assortment of dirty tricks to take care of the bullies, ogres and other bad guys who may be plaguing you. However, before you get too involved, keep in mind that this book is for *entertainment purposes only*. Actually undertaking any of these revenge schemes could lead to criminal charges/civil suits being filed against you. That caveat having been given, if you'd like to see how some people got even with their tormentors, or at least how the author believes it could be done, curl up with this book and get a good look at the many techniques and devices that could be used to get sweet revenge, along with a list of sources the author put together for some of the necessary implements. Quite provocative reading.



Medical Specialist, FM 8-230 (Army EMT manual), Department of the Army 1984; Sierra Supply, Dept. ASG, P.O. Box 1390, Durango, CO 81302; (303) 259-1822; about 600 pages, softcover; \$15 plus \$2.50 postage, insurance and handling.

This book, prize number four in ASG's 1987 Giveaway (see page 74), is for use in training the Army Medical Specialist in field medical activities, patient care procedures, and general nursing care duties involved in patient care and treatment. It also serves as a ready reference for medical personnel. Its use is applicable to peacetime, nuclear and conventional warfare. It's a wide-ranging handbook providing a wealth of knowledge for emergency treatment of a great many ailments, injuries and other health problems. Following the introduction which outlines the role and responsibilities of the Army medic and medical terminology, the book covers human physiology in depth including the integumentary (skin, hair, nails, etc.), skeletal/muscle, circulatory, nervous, digestive, urogenital and endocrine systems and sensory organs. There is discussion of triage and patient assessment, field medical care/medical emergencies, clinical procedures, obstetric and gynecological emergencies, field sanitation, medical information and records, pharmacology and drug administration, environmental health, nuclear, biological and chemical injuries, and management of psychological and behavioral problems (battle fatigue, alcohol and drug abuse, suicide and death). In the back is a glossary with acronyms and abbreviations and definitions of terms. This would be a valuable addition to any survival medical library as well as a highly useful field handbook.

(Continued on page 16)

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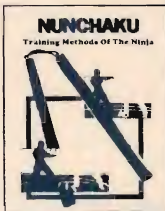
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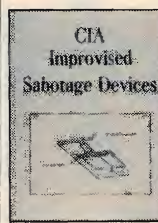
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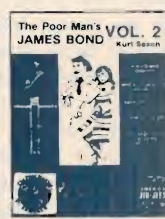
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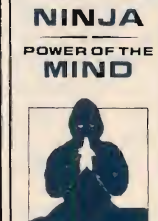
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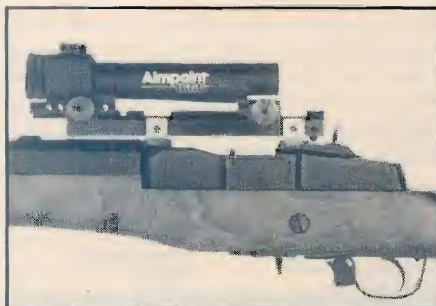
Springfield M16-Type Rifle



The XM-15 rifle, an authentic recreation of the latest M16-A1 U.S. service rifle, now is being manufactured and marketed by Springfield Armory, Inc. Introduced earlier by the company's sister firm, Rock Island Armory, Inc., the .223 caliber (5.56mm) weapon is complete with forward assist plunger and offset pivot pin, guard for magazine release, 20-inch barrel, a choice of round or triangular handguards, military Parkerized and anodized black matte finish, and a 30-round magazine. Optional configurations include a CAR version with collapsible butt stock and 16-inch barrel. Standard models available to the general public are semi-automatic fire, while selective-fire

full-automatic versions with optional short-burst (3-round) capability are available to Class III dealers and law enforcement agencies. Accessories include scopes and mounts heavy barrels, 40-round magazines, bayonets and carrying cases, plus walnut butt stocks, pistol grips and a choice of round or triangular walnut fore-ends. Ammunition of all types for the XM-15 and other military rifles also is available at extremely competitive prices, according to the announcement. Suggested retail price of the standard XM-15 is \$512. For full information, contact Springfield Armory, Inc., Dept. ASG, 420 W. Main St., Geneseo, IL 61254.

Ruger Mini-14 Ranch, Mini Thirty Scope Mount



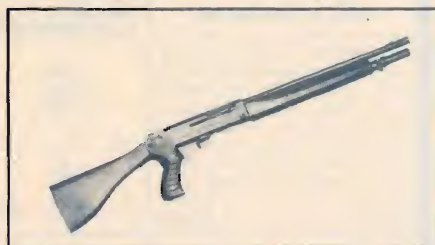
B-Square Company introduces a new scope mount for Ruger Mini-14 Ranch and Mini Thirty rifles. The new mount clamps onto the gun's scope ring dovetails to provide a standard mounting dovetail (Weaver-type) for Aimpoint, Tascorama, etc. The new base also allows optional ring spacings, as well as windage and elevation adjustments, so almost any scope can be used. B-Square's mount, in blue finish, is only \$49.95 at dealers. B-Square 1-inch dovetail rings are only \$16.95.

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Solo Stove



Campers looking for a rugged, lightweight, and reliable cooking unit will want to know about a new product from MTS Designs,

Inc.—the Solo Stove. "The challenge," says Michael Smith, president of the company and veteran backpacker, "was to design an ultra-compact, lightweight camping stove that would perform like the gas models but give a camper the freedom and aesthetic qualities of cooking over a wood fire without any of the difficulties or leaving an ugly fire scar." Solo Stove is made of long-life stainless steel, weighs just 19 ounces, and folds to the size of a thin paperback book. It burns twigs and small branches safely and efficiently. Campers who use this stove thus avoid the

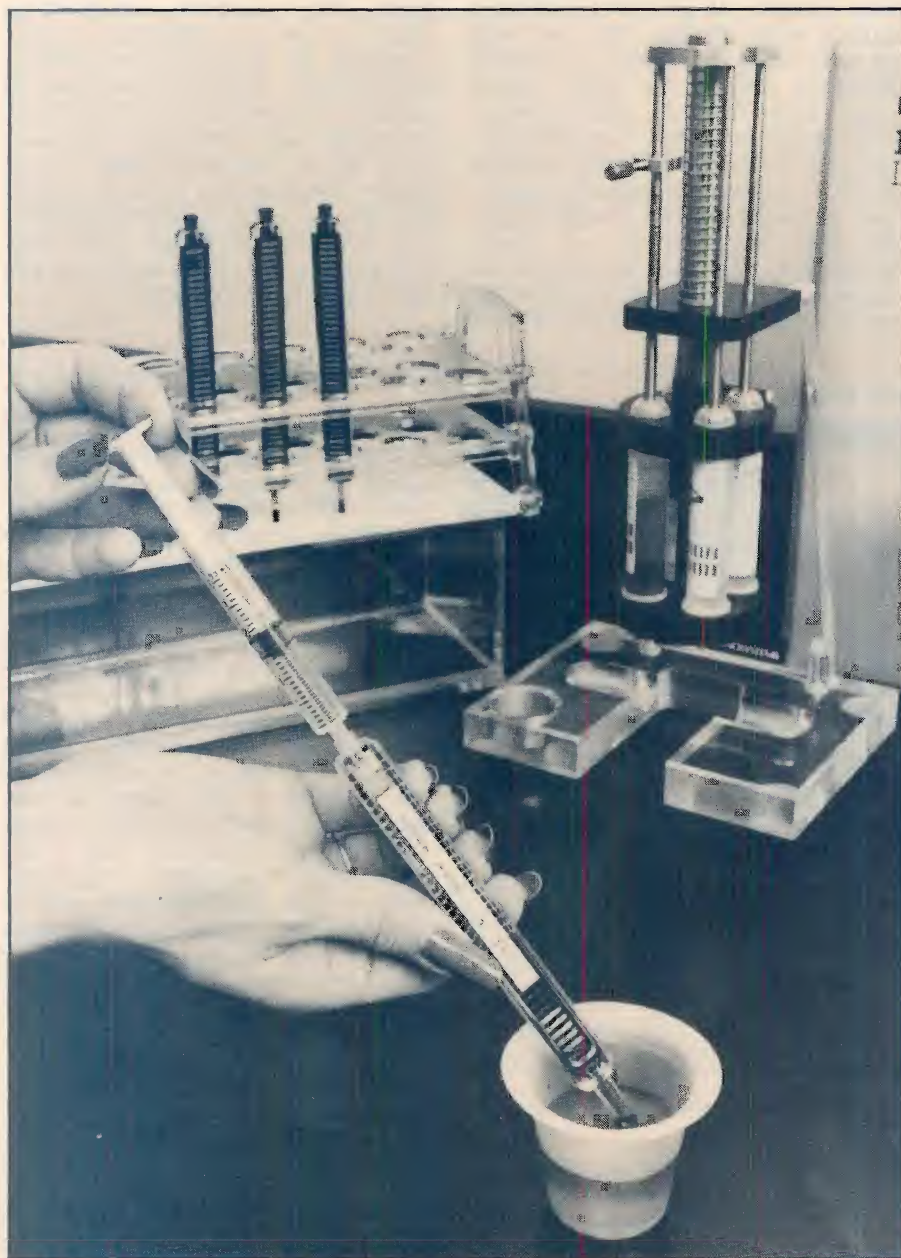
need to carry bulky fuel containers and insure that they will never run out of fuel on the trail. Smith adds: "A significant benefit to young campers is the absence of any volatile combustibles, making it ideal for scouting or family camping." This innovative new product also makes for an easy-to-store emergency stove to take along on hunting, fishing, car, or bicycle trips, or on a long hike. Retail price is \$29.95 plus \$2.50 shipping. It is available from MTS Designs, Inc., Dept. ASG, 504 Sharon Road, Chapel Hill, NC 27514; (919) 929-9429. ●

Allergens:

Allergy Warfare

Allergic reaction can be life threatening . . .

By Jim Meuninck and William Forgey, M.D.



Serum from your blood is drawn into a plastic tube containing 50 or more allergens. The plastic tube (Mastpette) is photographed on Polaroid film. Resulting exposure indicates allergies. This is a new method of testing for allergic reactions.

YOUR body's Department of Defense is waging an all-out guerilla war. The invaders, called allergens (soldiers of misfortune) gain access to your organ systems via the mouth, nose and skin.

Your body reacts to these foreigners

with extreme prejudice. The ensuing chemical warfare leaves behind unspent antibodies that make you allergic for the rest of your life. Subsequent allergy invasions cause these "veteran antibodies" to over react, flooding your organs with

histamines: Your skin may erupt in blisters, your sinuses may congest, your eyes water . . . You cough, wheeze, sneeze. And, you may even die.

Sounds like hype, but it's true: severe allergic reaction (anaphylactic shock) can be life-threatening. Your spouse or friend may already be sensitized, and vulnerable. Let me explain: suppose several years ago a friend of yours was stung by a bee. At the time, everyone was astounded by the severe reaction he had. But, by the old saw, "Time heals all wounds," the devastating sting was discounted as a freak occurrence. Sure your buddy avoids bees, because subconsciously he never forgets. Certainly, the bee venom antibodies lingering in his body never forget. Then one day, years later, as you and your friend are clearing trees, a falling hardwood knocks a hornets' nest out of a sapling. Chainsaws, and head gear go flying. Over the next 50 yards the two of you make some nifty tailback moves in an effort to shake off the angry arthropods . . . But, alas, the not-so-swift, not-so-brave lose the race. Your friend is stung, just once. You are less lucky, getting zapped 8 or 10 times. But, as usual, you shuck off the stings as if they were nothing. Your buddy, on the other hand, feels queasy. He's having difficulty breathing. The antibodies in his immune system are overreacting. His tongue and lips swell. This facial swelling is a warning: airway blockage may follow, resulting in respiratory distress, anaphylactic shock, and possibly death.

Of course, if he had been tested for allergies, he would know about this acute sensitivity to insect venom. He would never go into the bush without an allergy kit, containing a syringe loaded with adrenalin (aqueous epinephrine). If he was stung, you could simply stick the needle through the skin and inject the life-saving chemistry. But the allergy was unknown . . . Neither of you was prepared. Vomiting ensues. Then collapse. You treat him for shock: elevate his feet, clear his airway, and begin CPR. Deep in the woods, you shudder aloud, "Why so far from help?" Between chest thrusts and breath exchanges you holler for help . . . but your cries are consumed in the leaves and wind.

As this poignant little drama demonstrates, it is a good idea to query all members of your party about their allergies before setting out on a trek. Severe allergy reactions, as described above, can be

How To Avoid Allergens

ALLERGY sufferers may find relief by practicing these avoidance procedures:

POLLENS:

Symptoms are most common at night on dry, windy days.

- Use air filtration and air conditioning indoors.
- Wear a pollen mask outdoors.
- Avoid mowing your lawn.
- Avoid these plants when in bloom: asters, bachelor buttons, calendules, chrysanthemums, coreopsis, cosmos, dahlias, daisies, dandelions, goldenrod, gillardiopsis, marigolds, pyrethrum, sunflowers, pine trees, oak, and zinnias.

ANIMAL DANDERS:

- Remove your housepet to the garage or basement.
- Check to see if your furniture is stuffed or upholstered with animal hair . . . You may have to remove it.
- Remember, animal saliva may cause a rash.
- After horseback riding leave your clothes, boots, saddle, etc. outside the home. Wash these articles frequently.

DUST:

- Use a central powered vacuum system with outlets located conveniently around the home. This device exhausts dirt and dust to one central collecting bag located in the basement or outside the house. As an alternative use a Rainbow style vacuum that collects dust in a water bath.
- Encase mattresses, couches with allergen proof plastic casings.
- Vinyl or bare wood floors are best. Cover with throw rugs that may be washed frequently.

MOLD AND MILDEW:

- Avoid raking leaves.
- Dehumidify bathrooms and laundry rooms.
- Use anti-mildew cleaners in your boat or cottage.
- Keep potted plants out of bedroom.
- Fertilizer piles, barns, hay, dried flowers, greenhouses, boats, old books, summer cottages, and live Christmas trees all harbor mold.
- Avoid foods that use mold for brewing: cheese, beer, wine, soy sauce, dried fruits. Avoid eating leftovers.

FOOD:

- Discover what foods you are allergic to, then avoid them.

ODORS:

- Vapors from a myriad of products, plants and animals may cause allergic reactions. There is no test for these irritants, often caused by pine trees, citrus fruit, fish odor, detergents, nail polish, moth balls, insect repellents (DEET), tobacco and much more. Try to isolate the odor that makes you ill, then avoid it.

POISON IVY, OAK, SUMAC:

- If severe allergies to these plants inhibit your outdoor activities, see your physicians so he may begin immunizations. A single injection each spring may keep you free from plant dermatitis.

avoided by packing along an allergy kit, such as, the Ana-Kit (Hollister Stier) or the EpiPen (Center Laboratories). Even minor allergies caused by pollen, mites, dust, mold, plants, etc., become emergencies in a stressful survival situation. Consider food allergies for example. Suppose an avalanche and deteriorating

weather leaves you stranded in a mountain cabin for several days. Sounds like fun. Only one problem, you are allergic to dairy products, and the shelter's larder is stocked full of dried cheese and powdered milk.

Consider that one out of every four Americans has allergies. Doesn't it make

sense to test for them, especially if you have symptoms? Relief may simply require avoiding the known allergy agents. Immunizations and antihistamines can protect you from intolerable suffering. But first you must identify the agent, and up until now, allergy testing was a complex,

(Continued on page 62)

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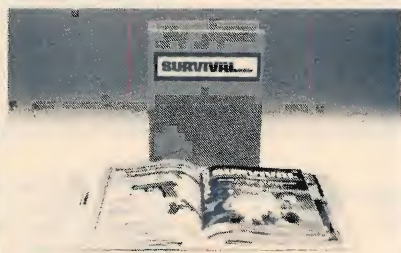
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Book Reviews

(Continued from page 10)



Tank Sergeant, by Ralph Zumbro; Presidio Press, Dept. ASG, 31 Pamaron Way, Novato, CA 94947; (415) 883-1373; 182 pages, hardcover; \$16.95 plus \$1.75 postage.

While this magazine occasionally includes reviews of books on military history, this book was of particular interest to us because it deals with armored warfare in Vietnam, and because it was written by a regular contributor to ASG. Meet Sergeant Ralph "Zippo" Zumbro of Company A, 1st Battalion, 69th Armor, U.S. Army. He served in Vietnam in 1967-68 and saw plenty of action, including the Tet offensive. This is his story of the war as seen through the eyes of the "thread heads" in the tanks and armored personnel carriers as they slugged it out with Viet Cong and North Vietnamese Army regulars. It's a story of the unique adaptation of armor to the terrain and fighting in Vietnam. But it's also a story of the experiences of soldiers and civilians caught in that conflict. You won't read about scar-faced Americans terrorizing innocent women and children, as seems popular nowadays. You will read about a lot of brave, dedicated Americans and Vietnamese fighting, suffering and sometimes dying for what they believed in. Here in the author's clear, easy-to-read style and illustrated with photos taken at the time are accounts of various actions and battles in and around Pleiku, on the Bong Son Plain, at An Khe Pass and elsewhere in Vietnam where the 69th and other units fought. There are also the personal experiences of Zumbro and other Americans and Vietnamese in day-to-day living during that time: G.I.s coming under sniper attack as they watched movies at a base camp; a Vietnamese girl marked for death by the communists because she did the Americans' laundry; the destruction of an entire NVA regiment attempting to cut a major highway, which went unreported in the news media. The book is a stirring, memorable and true story of armored warfare in Vietnam. ●

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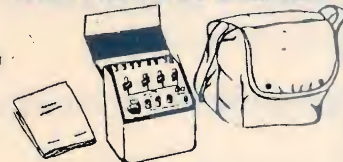
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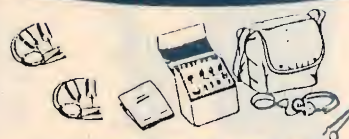
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MAIL CALL

Lean VS. Mean Machine

I read "Lean Machine VS. Mean Machine" in the March 1987 issue of *ASG* with great interest. Allow me to offer a comment or two or three. Transfer case or powertrain failure is rare. My '76 GMC K25 (3/4 ton) 4WD PU has 102,000 miles and has not yet experienced its first such failure. In any case, a man who doesn't mind getting his hands dirty could enroll in the local community college auto mechanics course and learn how to cope with mechanical problems. It is true that Toyotas get better gas mileage than a Chevy 3/4-ton 4WD or vans, however, the canny survivor driving an old Chevy K20 with a utility trailer with two or three 55-gallon drums of gas can go quite a ways. 55-gallon X 12 = 660 miles. And once you reach your survival area you could park the utility trailer and use it as a fuel pump. I am amused at the picture of the Japanese import 2WD gliding over wilderness roads. I don't know what the wilderness is like where you live. Here in western Montana, after snow falls we put v-bar chains on all four wheels on 4WD to get up some of the roads. I'd say offhand that 4WD with v-bar chains on all four

would outdo even a 2WD Japanese import. I already know that Poe (the article's author) and his group are not competent to handle powertrain failure... but I wish you would tell them about H-Lift Jacks, longhandled shovels, picks, tow ropes, tire chains and other related things. I wonder how many guys who do not have my experience in 4WD trucks think that "Lean Machine" is the last word in good advice? I mean, your magazine is called *American Survival Guide* isn't it? A guide offers guidance. What did your off-road editor think of Mr. Poe's article? Or is Mr. Poe your off-road editor?

Don Cable
Deer Lodge, Montana

We think you've misunderstood our intent in using this article. Would we be a better survival guide if we urged all readers to buy a big, expensive, complicated four-wheel drive vehicle for survival purposes? Not everyone has the inclination or money to buy a 4x4. The author of the article, W. Ed Poe, lives in the Southeast where the climate and terrain are considerably different than where you are in Montana. Some of us felt he should have given more consideration to the many advantages of four-wheel drive vehicles, but his views were an

alternative to those of the 4x4 enthusiasts and since we want to provide a forum for different ideas and information on survival and possible survival scenarios, we thought Mr. Poe's article was worth using. We don't necessarily agree with everything he said but that was not our purpose in using the article. As a matter of fact, the editors of this magazine like 4x4s and have provided feature articles on a number of them in ASG. And in upcoming issues we'll be presenting more 4x4s, some of them rather exotic. Again, our intent here is neither to urge everyone to own a big four-wheel drive truck for survival purposes nor to urge everyone to own an inexpensive two-wheel drive Japanese import truck for survival, but rather to provide diverse ideas and information so that readers can decide for themselves, given their own situations and interests, what will work best for each of them.

Suggested Articles

Many of the firearms articles I've seen in survival-type magazines, including *ASG*, seem to presume that all the readers are either military men or accomplished gunsmiths. Many survivalists are neither.

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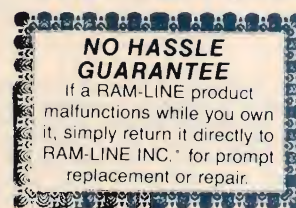
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What some of us, lacking those credentials, would like to see are articles which describe and illustrate field stripping, cleaning, lubrication, basic repair, maintenance and trouble shooting for some of the more popular survival battery guns. I'd suggest an examination of the HK 91, Colt .45 Automatic, and Remington 870 shotgun as a good beginning. The articles could be written by a gunsmith and with your usually excellent close-up pictures, would be very instructive. Persons who are in doubt about the tools, oils, and solvents necessary to keep their survival guns operating would really benefit from such a series of articles. Also, I'd like to be kept better up to date on the geo-political situation from a survival point of view. We can't depend on the mass media to interpret the news with survival in mind. Your readers depend on you to warn us of global events which can cause World War 3. There seems to be much confusion, even among authorities, regarding Soviet intent. At the very least you have an obligation to solicit articles from the experts in this field and let us read their contrasting views, so we can make up our own minds about the critical timing of our survival plans.

Name Withheld

Pittsburgh, Pennsylvania

We have done some articles along the lines of the gunsmithing pieces you've mentioned and we plan on doing more in the future. Watch for them. Regarding the geo-political situation, we have also done a number of such articles and plan more in the future. But no one, no matter how expert or authoritative, can necessarily be relied on to accurately forecast World War 3. While we're not seers, we will attempt, when possible, to inform our readers of events which threaten their survival and the survival of our nation.

ASG's Firearms Covers

I enjoy your magazine very much. In fact I look forward to getting it each month. I do have one complaint, though. I wish you would illustrate survival scenes on the covers of your magazine instead of guns or weapons. I live only 11 miles from a Minute-Man missile silo. I would like to see more blast shelters, etc. A picture of a missile silo would be a good illustration for your magazine cover. It would probably wake people up to building fallout shelters. I would appreciate your comments.

Gerald Larson

Valley City, North Dakota

As we've noted for other readers who've written similar letters to us, Gerald, we do experiment with non-firearms covers, but few that we've done have come close to selling as well as the better done gun covers. While we are very much a survival magazine, we're also a gun and weapons magazine with much of our advertising, though by no means all of it, based on guns, knives and other weapons and weapons accessories. Without these and the regular gun features we run, we wouldn't have a magazine to provide our readers with the many other, totally non-gun subjects that we do. Some people may find the mixture of firearms and weapons, other survival equipment such as outdoors gear and storage foods, and survival knowledge that we offer an odd combination. We don't. So you're going to continue to see quite a few gun covers on ASG. Please remember that those guns and other weapons help to sell the magazine and keep it profitable so that we can continue to present the many non-weapon features and important non-weapon survival information that we provide. ●

SURVIVALIST DIRECTORY

THIS IS A CONFIDENTIAL listing of survivalists who wish to become known to others of like mind. *American Survival Guide* will accept properly coded mail and forward it to the coded addresses without charge. *American Survival Guide* accepts no responsibility for the contents or results of these confidential communications. Mass mailings are not permitted.

ASG 0601

North Carolina, U.S. Marine would like to contact and/or join survival groups and individuals on the East Coast.

ASG 0602

Central Florida, small survival group would like to hear from others in area for mergers and training and possibly mutual assistance pacts. Willing to train and learn.

ASG 0603

Nashville, Tennessee, looking for persons in this area to correspond with on survival and/or para-military. Only serious minded persons please. All replies confidential. No Rambos.

ASG 0604

United States & Canada, 18 year old, sturdy-moraled survivalist seeks family/group to establish homebase with. Wishes to share and exchange training and skills. Has own equipment and has plans to purchase more. Presently in the U.S. Army. In the future, would like to fortify upgrade and take care of group's retreat in exchange for room and board. Good, down-home people please write.

ASG 0605

Montvale, New Jersey, group of teens interested in survival and military combat techniques. Seeking to contact others with similar age and interests. No communists. Only patriotic Americans who believe in our great superior country. If you don't agree with American values, don't bother. No racists!

ASG 0606

Tampa, Florida, security consultant would like to exchange ideas and information and possible trades with others interested in shelter homes, weapons, covert operations, communications, alarm systems, survivalists and other related topics.

ASG 0607

Salt Lake City, Utah, seeking contact with survivalists and survival groups in Utah, especially Salt Lake City, Moab, and St. George.

ASG 0608

Alberta, Canada, wanted, survivalists to join *International* survivalist correspondence club. People of all areas, countries, interests, talents invited. Everyone asked to join to establish info exchanges, activities, and enhancing communication on every survival aspect. Contact us for briefing. No racists, KKK, etc.

ASG 0609

Kissimmee, Florida, family wishes to meet Christian survivalists.

ASG 0610

Northern Maine, family of three seeking to start small group of survival minded people. Low profile philosophy. Especially would like to hear from woman survivalist who can relocate, young children very welcome. If you believe time is running out write and tell us about yourself. No far left or right wings, smokers or group recruiters. We live in a remote area with land available.

ASG 0611

Fullerton, California, looking to join survival group or form group in Fullerton, Brea or Placentia area. Any age or sex. Have different skills.

ASG 0612

DeKalb, Illinois, serious survivalist of over 15 years wishes to exchange ideas, plans and problems with other groups and individuals. No nuts or political extremists need respond. Talk to me Midwest.

ASG 0613

Lancaster, Wisconsin, would like to find people who would be interested in a survival co-op. Would also like to find someone that can help get my ideas and knowledge out to other people. I like a low profile for myself, but need someone who can communicate and feels easy in public.

Address response letters as follows:

American Survival Guide

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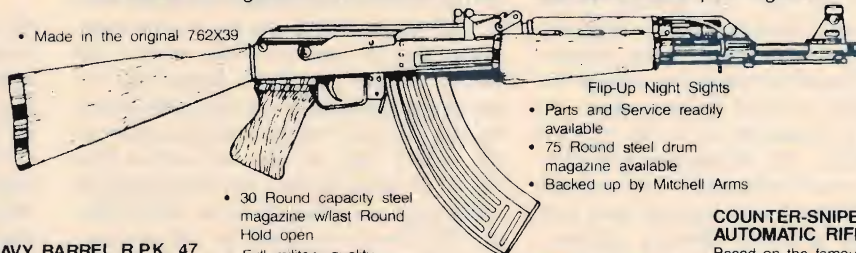
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They're Here!

Yugoslav AK-47's

Made in Yugoslavia For Mitchell Arms

- Made in the original 762X39



These are standard AK-47's in every respect except they are semi-auto and conform to U.S. laws and import regulations

- Flip-Up Night Sights
- Parts and Service readily available
- 75 Round steel drum magazine available
- Backed up by Mitchell Arms



Joy Mitchell shown holding an AK-47S in 762X39 with folding stock and 75rd drum magazine

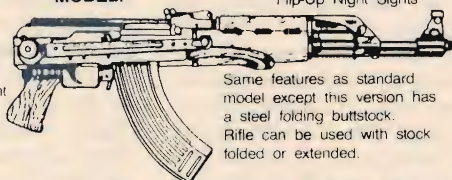
HEAVY BARREL R.P.K. 47

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AK-47 FOLDING STOCK MODEL!

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 - With or without Bi-Pod, folding and detachable
 - Fully adjustable day or night sights

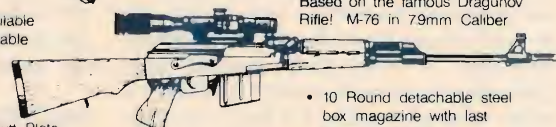


Same features as standard model except this version has a steel folding buttstock. Rifle can be used with stock folded or extended.

Rubber Butt Plate (Sure-Grip Non-Slip)

COUNTER-SNIPE SEMI-AUTOMATIC RIFLE

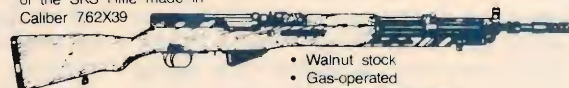
Based on the famous Dragunov Rifle! M-76 in 79mm Caliber



- 10 Round detachable steel box magazine with last round hold-open
- Full military quality
- Special Match Ammunition available

M-59 SEMI-AUTOMATIC RIFLE

...An excellent likeness of the SKS Rifle made in Caliber 762X39



- Walnut stock
- Gas-operated
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- Full military quality

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Threshold Technical Products:

Survivor

A unique, highly sensitive device for measuring radiation and radon . . .

Staff Evaluation



ADVANCE warning of radiation exposure is vital to protecting your and your family's life and health. An industrial nuclear accident, a meltdown at a nearby nuclear power plant, or fallout from a nuclear bomb can cause sickness and death for those failing to take protective action, as was chillingly demonstrated last year in the Soviet Chernobyl nuclear power plant disaster.

The Survivor Radiation Warning Receiver from Threshold Technical Products in Cincinnati is a unique, highly sensitive and well made device which can protect you and your loved ones from not only dangerous gamma radiation but also from alpha and beta radiation, x-rays and even cancer-causing radon gas.

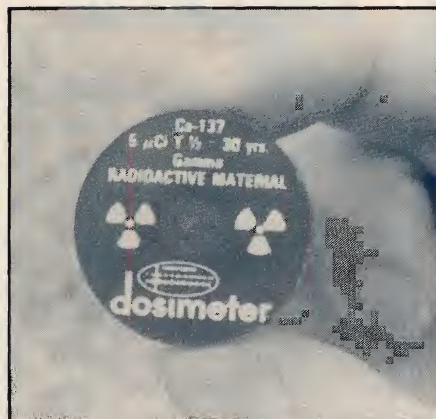
Survivor is designed to be plugged in to any 110-volt outlet for continuous monitoring of the air in your dwelling for radiation, x-rays and colorless, odorless radon

gas. Should the electrical power in your home fail for any reason, the Survivor automatically and instantly switches over to a rechargeable Nicad battery power source included with it and continues to monitor the air next to it.

The device can be turned off for storage or transportation and has two modes of alerting its user to levels of radiation, x-rays or radon nearby. In the alarm mode, a high-pitched shrieking sound is emitted when detectable levels of radiation, x-rays or radon are present. In the click mode, the Survivor acts as a geiger counter, emitting a clicking sound in the presence of these substances. Dangerous levels of the harmful substances cause the clicking to increase to a continuous, rapid beat, while the Survivor will emit an occasional click or clicks as it picks up the presence of normal background radiation caused by gamma and cosmic rays.

To test the effectiveness of Survivor, the staff of ASG ws provided with a small disc containing radioactive Cesium 137 (5 micro curies) giving off gamma rays. The disc was placed within one to three inches of Survivor on both the battery and 110-volt power sources and for both the alarm and click detection modes and each time without fail the radioactive disc triggered a warning from Survivor.

A blinking red light on top of Survivor indicates it is operating on batter power. A continuous green light on the top of the device shows it is working on a 110-volt



This disc containing radioactive Cesium 137 was used to test Survivor.

power source. A pushbutton atop the Survivor provides a means of testing for proper function in both alarm and click modes.

Survivor comes with built-in Nicad battery which charges as the unit works on 110-volt power, a 30-day money-back guarantee of satisfaction and a one-year limited warranty for parts and service.

While we did not have the opportunity to test Survivor's ability to detect alpha, beta radiation, x-rays and radon, we have no reason to doubt that its performance would be any less perfect than it was for gamma rays, the most dangerous of radiation types. Survivor is in our opinion, an ingenious, very well built and powerfully sensitive device for detection of minute and larger more dangerous levels of radiation and radon gas.

Survivor is available for \$185 from Threshold Technical Products, Department 015D, 7225 Edington Drive, Cincinnati, OH 45249; Ohio residents add \$10.18 sales tax. Call toll free for information or ordering (800) 458-4931; in Ohio call (513) 530-5242. ●



Controls on Survivor allow it to be turned on or off and to operate in either alarm or geiger counter click modes.



On top of the device are lights indicating which power source it is functioning on and a button for testing for proper operation.

SELECT FIRE 10/22

By Wayne Thornburgh



The TEK Full Auto Conversion

SELECT FIRE 10/22

A reliable select fire conversion for the Ruger 10/22 has eluded Class III weapons enthusiasts—until now. The TEK Gun Works conversion method described in this volume may well be the *optimum design* for converting the 10/22 to select fire. Additionally, it is reasonably simple when compared to other methods being touted in the market place—methods that don't work as well. Softcover, illustrated.

229 \$10.00

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Step-by-step instructions for converting this popular sporting and survival rifle to FULL-AUTO. Auto-Sears explained with reviews of several brands. PLUS full machinist's drawings for a homemade Auto-Sear. Even if you don't plan to convert your AR-15, you owe it to yourself to know how. The day may come when a well armed populace will mean the difference between freedom and tyranny. 5½x8½, softcover, 32 pages, illustrated.

061 \$6.00



FULL AUTO KG-99 by Gary Hill

KG-99 owners, your book has arrived. It's been a long time in the waiting but like all good things it's well worth it. A totally reliable open bolt conversion for the semiauto family of KG-99's. Covered in this manual are the conversion plans for the interdynamic KG-99, KG-99 Mini, Intratec TEC-9 and TEC-9 Mini. Complete with many photographs, machinist drawings and exploded views with parts listings and a step-by-step easy to understand procedure. 5½x8½, softcover, 48 pages.

KG-99 \$8.00

FULL AUTO H&K 91/93 Conversion Manual

Now, the civilian-legal cousins of the G3, the H&K 91/93 can be converted to selective fire, thus allowing the civilian H&K owner to duplicate the function of a factory original G3. This isn't a rinky-dink kitchen table conversion, but a mechanically sound method devised and executed by a professional machinist with a thorough knowledge of gunsmithing. Virtually every phase of the conversion process is explained in detail. 5½x8½, softcover, 36 pages.

HK 91/93 \$8.00

Full Auto

FULL AUTO, VOLUME TWO Semiauto UZI Modification Manual

This revised edition covers two methods of conversion, one for a drop-in conversion to full-auto only and one for permanent conversion to selective fire. Every step is shown in large, clear photos and concise, easy to understand text. Remember, due to federal law, Israeli-made full-auto UZI's will never be available to collectors, but the semiauto version may be converted. 5½x8½, softcover, 34 pages, profusely illustrated.

036 \$6.00

FULL AUTO, VOLUME FOUR Semiauto Thompson M27 A-1 Modification Manual

The Thompson semiauto Model 27 A-1 is extremely popular among civilians and is one of the easiest semiautos to convert to FULL-AUTO. There are no extra parts to buy and only three original parts need to be altered. Complete machinist's drawings illustrate the alterations, which can be done in a basic machine shop. Easily understood text. 5½x8½, softcover, 24 pages, illustrated, including a history of the Thompson SMG.

027 \$6.00

FULL AUTO, VOLUME FIVE M1 to M2 Carbine Modification Manual

Since the M2 is a direct descendant of the M1, the M1 can easily be converted to full-auto by a mere substitution of parts and some minor alterations in the stock and trigger housing. This book contains all the information needed for the conversion: basic differences between the M1 and M2, the parts needed are listed and shown, even full machinist's drawings for converting M1 parts should certain M2 parts prove difficult to find. 5½x8½, softcover, 28 pages, fully illustrated.

130 \$6.00

FULL AUTO, VOLUME THREE Semiauto MAC 10 Modification Manual

This manual presents six different methods of converting the semiauto MAC 10 to FULL-AUTO. These methods range from very simple, full-auto only conversions to more involved, selective fire versions. All modifications are easy and require no difficult machining operations. Conversion techniques range from the mere removal of metal to the addition of simple, removable parts. 5½x8½, softcover, 52 pages, profusely illustrated.

010 \$6.00

FULL AUTO, VOLUME SEVEN Semiauto Bingham AK-22 Modification Manual

This little AK-47 look-alike in .22 rimfire is an excellent choice for conversion to selective fire due to its reliability of functioning, simplicity of design and the low cost of .22 LR ammo. Virtually every step of the conversion is shown in detail, along with clear, concise text and full machinist's drawings. Enjoy a full-auto, cheap to feed .22 LR AK look-alike! 5½x8½, softcover, 32 pages, illustrated.

022 \$6.00

FULL AUTO HK 94 Full Auto Conversion Manual

The HK 94 A2/A3 9mm carbines from Heckler and Koch in West Germany are civilian versions of the military MP5 submachine gun used by elite counterterrorist units everywhere. The HK 94 constructed of space age materials and manufacturing technology, is lightweight, low recoiling, hard hitting at 800 rpm as provided with this conversion. Profusely illustrated with all necessary information, photographs, fully dimensioned machinist drawings and detailed sequence drawings for selective fire conversion. 5½x8½, softcover, 56 pages.

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Missouri's Preparations:

Digging Deeper For Armageddon

A look at civil defense in the nuclear age . . .

By John Galey



Before construction of the Ozark Terminal in the 1950s, the facility was a mined-out limestone quarry (Bill Collie Archive).

FOR SURVIVAL, caves could prove indispensable in case of a nuclear attack on the United States. Some futurologists predict that nuclear war refugees would flee from heavily irradiated areas and they would then resume life on a primitive level because pre-war technology would be largely destroyed. Survivors in the U.S. would degenerate into a subsistence, tribal society. They might conceivably return to cave dwelling reminiscent of the society from which civilization originated.

Historically, natural and manmade underground spaces have long been utilized for protection against the elements, natural disasters and war. Since the beginning of the nuclear era in 1945, going underground in areas distant from targets seemingly offered potential protection. This concept has figured prominently in U.S. civil defense (CD) planning for strategic and emergency stockpiling and for mass population shelters.

The state of Missouri has more readily available caves and underground quarries than most other states of the U.S. Known as the "cave state," Missouri has over 4,000 identified caves and caverns totaling about 15 miles in length. The state also has 92 underground quarries; 16 of these have finished space totaling approximately 740 acres. An additional 1,000 acres of underground areas are in various stages of restoration.

Many of these spaces are located far distant from high risk, potential target areas in a nuclear conflict. In southwestern Missouri near the town of Neosho (10,000 pop.), one of the largest and most elaborate of the quarry systems has been used for several decades as part of the national CD complex.

In general, ideas about CD vary widely according to divergent views on nuclear war and its after effects. The United States' federal storage and shelter programs, involving underground areas, are

worth examining particularly because of recent controversies over post attack scenarios by scientists who predict "nuclear winter" and other catastrophic atmospheric changes caused by an all-out war. Questions about the post-World War 3 inhabitability of the entire earth cast doubt on the viability of shelters and survival itself.

Especially since 1945, scientists have replaced artists and prophets as seers of the earth's fate. They base their hypotheses on scientific evidence but also on sheer imagination because after 1945 the world has never experienced nuclear war.

Scientists' descriptions of the first nuclear blast at Alamogordo, New Mexico, in June, 1945 were fearful and awestruck. Enrico Fermi, one of the bomb's creators, feared shortly before the blast that it might ignite the atmosphere. Another atomic scientist, Robert Oppenheimer, quoted the *Bhagavad-Gita* after the explosion: "If the radiance of a thousand suns were to burst forth at once in the sky, that would be like the splendor of the Mighty One . . . I am become death, the shatterer of worlds."

In 1946 the federal government began a national survey of caves and other facilities as possible A-bomb shelters, but this did little to alter the complacent national mood about CD. This mood was rudely broken by Soviet Russia's first explosion of a nuclear bomb in 1949. Then in 1954 when the U.S. exploded the first hydrogen bomb, the unexpected widespread fallout dramatized its destructive potential. Albert Einstein wrote that "Radio active poisoning of the atmosphere and hence annihilation of any life on earth has been brought within the range of technical possibilities." For the first time, the U.S. public began to worry about fallout, and the 1950s marked the first coordinated CD planning for a nuclear attack.

A subsequently familiar argument against CD first arose during this decade: the cost of building effective underground shelters for civilians might become prohibitive. Secretary of State John Foster Dulles opposed these expenditures with what would become another conventional anti-CD argument. National security, he claimed, could best be achieved by increas-

A new civil defense entrance to the Ozark Terminal was inaugurated in 1968. Ceremonies included CD officials, a congressman, the Ozark Terminal manager and the Neosho High School Band (Ozark Terminal Archive).





ABOVE—Surrounded by woods in a rural landscape, the Ozark Terminal entrance in the 1960s hardly suggested the huge space available underground (Ozark Terminal Archive).



ing nuclear retaliatory capabilities to scare a potential aggressor. The means for reducing domestic damage from nuclear war became entirely secondary to this higher aim.

This theory recognized that in the nuclear age, civil defense contributed very little to direct military needs. Much had changed since World War 2 in which civil defense contributed greatly to the belligerents' civilian morale and helped preserve the labor forces. In contrast, nuclear war wouldn't require the cooperation of population masses.

Yet the concept of going underground persisted. Edward Teller, another of the A-bomb's creators and subsequently a consistent advocate of nuclear armament, proposed that entire civilian complexes including strategic industries be located in caves. This idea resembled the Swiss model in which huge mountain caverns were converted for storage, shelter and defense during World War 2.

In the U.S., the late 1950s and early 1960s became the heyday for backyard fallout shelters, with a booming industry in providing these facilities for homeowners. A nuclear attack would theoretically escalate into an all-out "10 minute war" which would end very quickly because all

weapons had been used. Any responsible family with foresight would construct its own shelter to ensure survival in the fallout period. Families with shelters also began arming themselves in case of post-attack civil chaos. Some clergymen publicly debated whether it was "Christian" to gun down a desperate human who tried to invade your shelter.

In an era when total nuclear stockpiles were much smaller than today's arsenals, overly optimistic predictions were made about survival on a national scale. A 1961 *Life* feature article on shelters promised that if you closely followed shelter construction directions, you would be among the 97 percent of the U.S. population that would survive a nuclear attack.

Life's editorial stressed the deterrent concept of national CD: underground shelters would contribute to the U.S.' total deterrent because if the nation's civilian incapacitation seemed unlikely, then a potential aggressor wouldn't launch an attack. This would become a basic argument for CD advocates in coming decades.

President John Kennedy's administration tripled the national CD budget in an unprecedented, ambitious move that greatly increased the country's civil defense capabilities. The Department of Defense began the National Fallout Shelter Survey which eventually identified 250,000 basements, caves and other areas that would theoretically protect most of the U.S. population against at least some of the fallout. The program further provided for shelter food stocking, RADEF (radiological defense) equipment and other facilities.

Missouri Ozark Terminal—During the fallout shelter craze, a mined-out quarry complex near Neosho, Missouri, was upgraded and turned into a private storage depot that warehoused, in part, federal supplies including a vital records depository. Originally mined for limestone dur-

ing World War 2, the Ozark Terminal by the early 1960s had 500,000 square feet of finished space with concreted floors, constant temperature control, its own electric power system, and a self contained water supply from a 220,000-gallon reservoir. With 150,000 sq. feet of space reserved by the federal government, this became one of many federally utilized underground depots in the U.S. during the 1960s.

Today, the CD director for Newton County—where Neosho is the county seat—describes the terminal's designation as a fallout shelter during the 1960s as "like the tail on the dog." The sophistication of the facilities prompted federal CD officials to tack on the idea of using the terminal as a mass population shelter for this part of Missouri. But planning for the tail on the dog lacked crucial details. For example, the terminal had only five toilets with two septic tanks!

By the late 1960s, storage of food such as crackers and water at the terminal was followed by warehousing emergency medical supplies for 200 completely equipped 200-bed military field hospitals. This included a staggering array of equipment. The terminal also acquired elaborate facilities for cleaning masses of surgical instruments in a specially designed room.

Losses eventually occurred not because of faulty storage facilities but because of the limited shelf life of some materials. Nineteen million dollars worth of dextrose spoiled. Originally intended for recycling through regional hospitals, such medical supplies actually weren't recycled. As in other CD storage depots around the U.S., the crackers spoiled and were eventually sold to local hog farmers for livestock food.

In 1972 a congressional committee's findings on spoilage of emergency CD supplies provided ammunition for attacks on the nationwide program. Investigators concluded that the storage program would create a "false sense of security." In a

(Continued on page 68)

Squads, Platoons:

Small Unit Tactics

Survivalist units would normally operate alone with no supporting air, armor or artillery and even without machine guns and mortars . . .

By John McSweeney

Illustrations by Andrew Pechous

A PLATOON ON THE MARCH

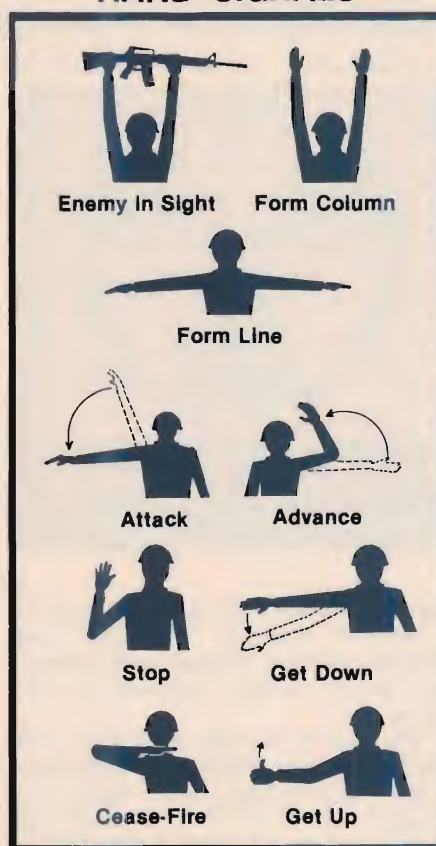


The platoon leader is in visual contact with his three squad leaders and thus can issue hand commands. Practice forming a line from this column until it becomes second nature for all members. Second squad moves to the left of the first squad while the third squad moves to the right. Flank guards move to the center to join the first squad as does the platoon leader. During withdrawal from the enemy, increase the rear guard to five men and reduce the advance guard to two persons. Use 10-yard spacing between columns and 5-yard spacing between each individual.

PLATOON BATTLE LINE FORMATION



HAND SIGNALS



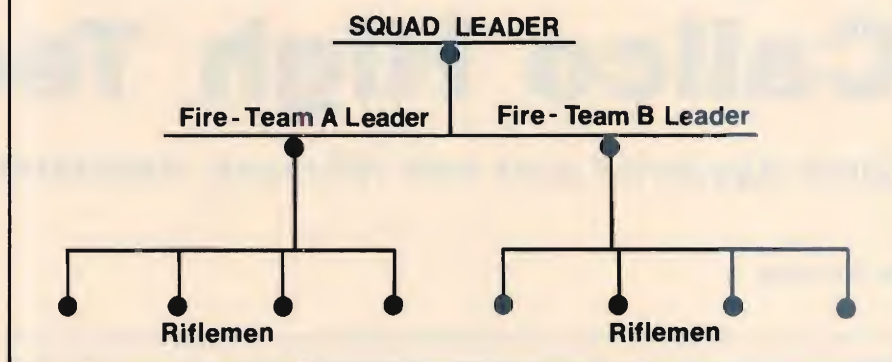
(The author is a weapons expert and veteran of three branches of the U.S. armed forces. He was a 20mm gunner on an amphibious ship in the Navy during World War 2, spent four years as an Air Force security officer in the Far East during the Korean War, and then served seven years as an Army infantry captain. He has also earned a 6th degree black belt in karate and now teaches a class in combat karate at his school in Elmhurst, Illinois. He is presently marketing a three video tape series on armed and unarmed self defense available on BETA or VHS. For more information contact: McSweeney's Self-Defense, Dept. ASG, P.O. Box 1218, North Riverside, IL 60546. Call toll free (800) 972-5858.—The editors)

"THE control of a large force is the same in principle as the control of a few men; it is merely a question of dividing up their numbers. Fighting with a large army under your command is nowise different from fighting with a small one. It is merely a question of instituting signs and signals."—So wrote the Chinese General Sun Tzu in his treatise *The Art of War* some 500 years before the birth of Christ.

The basic unit of an army is the rifle squad. It consists of two fire teams and the squad leader. Each fire team consists of five men, one of which is the team leader. Although there are 11 men in the squad, only two men report to its leader and only four men report to each fire team leader. This "span of control" continues unbroken right up the ranks with normally no more than four to five combat leaders ever reporting to anyone, including the "General of the Army."

In the "Triangular" organizational system used by many armies of the past and present, three rifle squads form a platoon, three rifle platoons a company, three rifle companies an infantry battalion, three battalions an infantry regiment and three regiments an infantry division. In an infantry division all crew-served weapons, including machine guns, mortars, armor and artillery are structured as separate units for training and maintenance purposes but in actual combat are assigned to rifle units either directly, as in the case of machine guns, or in support, as with artillery. In spite of all the manpower and materiel suddenly thrust upon the rifle units for direction and control, each infantry leader from squad to regiment finds he is burdened with only one or two more persons reporting to him. Thus the principle of "Span of Control" is maintained and the genius of Sun Tzu confirmed.

ORGANIZATION OF THE RIFLE SQUAD



Armies at war maintain "Order of Battle" maps showing disposition and deployment of enemy forces. The smallest tactical unit shown on such maps is the infantry battalion. Generals need to think in broad sweeps and infantry battalions form a handy yardstick for rapid assessment.

For survivalist purposes our concern is on small units, namely squads and platoons. They will normally operate alone with no supporting air, armor, or artillery and even without machine guns and mortars. If we learn to handle them well, then handling larger units should prove no difficulty as the same principles of tactics apply.

What are tactics? How do tactics differ from strategy? I'll give my definitions which incidentally, don't come from any textbook. Strategy is nothing more than the overall plan and tactics are simply the optimum use of weapons. The Roman Army used the close-ranked phalanx, with men standing one pace apart, because their main weapon was a two-foot blunt-ended stabbing sword. Modern armies dis-

perse their riflemen at least five yards apart to minimize casualties. The Roman Army fought hand-to-hand as a standard practice; this is something very rare for a modern army because of its awesome firepower.

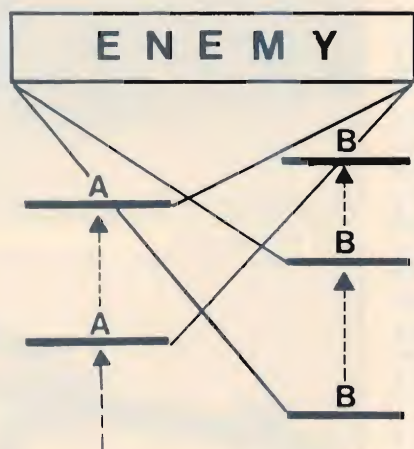
Thus, while weather, enemy and terrain are important aspects of all tactical considerations, The *weapon* is the distinguishing element and the essential cause of variations in tactics over the course of history.

WEAPONS—Survivalist units should be armed uniformly for parts interchangeability and ammunition re-supply. I recommend each rifleman be armed with a .223 semiautomatic rifle, bayonet, a .45 caliber semiautomatic pistol and hand grenades, both concussion and fragmentation types. Team, squad, and platoon leaders should be armed exactly as the riflemen and everyone must carry an entrenching tool.

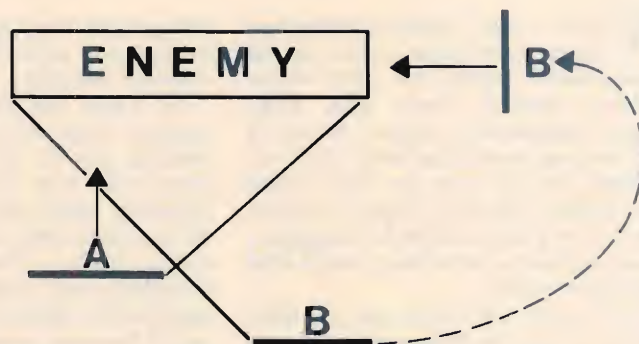
Units must train to operate as independent-unit foot soldiers so all crew-served weapons will be excluded because of their

(Continued on page 64)

FIRE AND MOVEMENT



FIRE AND MANEUVER



Solid lines indicate direction of fire. Dotted lines indicate squad movement. Do not advance the moving element too far or it will come into the line of fire of the fire-base element.

Carbine, Pistol:

Calico High Tech .22s

Space Age-styled guns with 100-round, magazines . . .

By Bud Lang



American Industries' Calico carbine and pistol operate in identical fashion, making them an ideal survival pair.



If you wish to stow the carbine away, slide the handguard forward and unscrew the retaining nut.

WHAT a pair! American Industries' Space Aged-styled Calico M-100 semiautomatic carbine and pistol attract attention wherever they're seen. Their unique configurations capture the eye of most everyone around you when you're out plinking, and for those who don't notice their styling, they soon begin to wonder when you're going to refill that magazine, as you continue to snipe away, round after round after round.

For, you see, the Calico pair are quite unique in that they feature large cylindrical magazines with capacities of 100 rounds of .22 Long Rifle rimfires each. Of helical feed design, these magazines offer the advantages of increased capacity, compactness considering everything else, streamlining and balance. they necessarily have more parts than a conventional

column-type mag, and must be properly handled and serviced to assure safe and consistent shooting.

We found the pistol shot with more accuracy when the shooter grasped his shooting arm at the wrist with his free hand, using it as a support for the long magazine, rather than attempting to use the two-hand hold commonly employed by combat shooters. The carbine comes with a folding stock, which while it functions well from the offhand position, won't work well if you ever attempt to fire from the prone position using the bipod which comes with the weapon.

With their added firepower, they're quite a formidable pair. In fact, if you owned spare magazines, you'd have 200 rounds at your disposal with each gun. If you owned one of each type of firearm,

now, that's 400 rounds loaded and ready to go. While magazine changes are slightly slower than conventional pistols with grip located mags, swapping them isn't that bad. Just grasp a pair of magazine release latches at the rear of the frame with the hand that's going to remove the magazine. Squeeze the latches and lift the magazines free. That's all there is to it. The carbine and pistol magazines are identical and interchangeable except for sights.

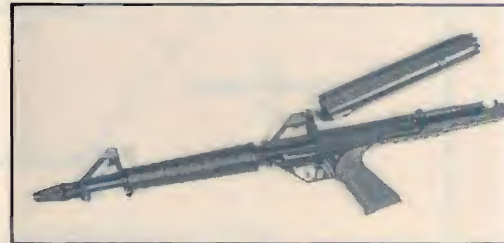
Replacing the mag is even easier, as you merely slip it back onto the receiver cradle so the pin on the bulkhead fits into the socket in the front of the magazine, then you press down on the rear of the mag until it snaps into place.

If, for whatever reason, you found yourself in a situation where you had emptied one magazine, with the spare in place, you could easily be loading the empty unit in your spare moments. The first thing you have to do is press in on the button at the rear of the magazine, in the center of the winder, which releases all spring tension built up in the magazine. Then you turn the winder just enough to make the follower visible in the feed lips.

Load one round by pushing the rim



A large retaining nut secures the carbine's barrel to the receiver.



Grasp a pair of latches at the rear of both guns, and the helical magazine pops right off.



down against the follower until the rim can slide back under the feed lips. Repeat the procedure until the magazine is fully loaded. It will be helpful to push the spring release button two or three times while loading, as the tension buildup will somewhat hamper the loading process.

After loading 100 rounds into the magazine, release all spring tension and turn the winder through 15 complete turns. There is a raised line on the back of the winder to aid you in counting the turns. You must be



Both carbine and pistol feature an ambidextrous safety (arrow), so both left and right handed shooters can use the gun.

Calico M-100 Carbine: Tech Specs

Model	M-100 Carbine
Action	Semiautomatic
Caliber	.22 Long Rifle
Capacity	100 rounds
Barrel Length	16.1 inches
Overall Length (stock extended)	35.8 inches
Overall Length (stock folded)	29.8 inches
Weight, w/o magazine	4.2 pounds
Weight, fully loaded	5.7 pounds
Height	7.3 inches
Width	2.2 inches
Sights, front	post, elevation adjustable
Sights, rear	notch, windage adjustable
Sight Radius	12.2 inches
Operation	Blowback, Semiauto
Safety	Ambidextrous, hammer block
Rifling	Right hand, 6 groove
Manufacturer	American Industries, Dept. ASG, 405 E. 19th Street, Bakersfield, CA 93305
Suggested List Price	\$299.95

Calico M-100 Pistol: Tech Specs

Model	M-100 Pistol
Action	Semiautomatic
Caliber	.22 Long Rifle
Capacity	100 rounds
Barrel Length	6 inches
Overall Length	17 3/4 inches
Weight, Empty	3 pounds
Weight, Loaded	3.75 pounds
Height	7 1/8 inches
Width	2 3/16 inches
Sights, front	post, windage adjustable
Sights, rear	notch, fixed
Sight Radius	10 1/2 inches
Operation	Blowback Semiauto
Safety	Ambidextrous, hammer block
Rifling	Right hand, 6 groove
Manufacturer	American Industries, Dept. ASG, 405 E. 19th Street, Bakersfield, CA 93305
Suggested List Price	\$249.95

cautious so you do not overwind the magazine. Overwinding may damage the spring and will significantly increase the force necessary to strip a round from the feed lips. You must use clean ammo in these guns, because excessively lubricated or dirty ammo may make rotation of the cartridge carrier sluggish or even cause the rounds to fail to feed.

In the event you don't fire all the ammo you've loaded in one of your magazines, you can empty it easily enough by individually pushing each round from the feed lips with a small, blunt tool made of wood or plastic. Don't use any sharp metal tool to unload the mags, as a round may accidentally discharge if you aren't careful.

Testing—We spent an entire day at the Lake Elsinore Sportsman's Association range in Elsinore, California, testing these guns under a variety of circumstances. They were fired both slow fire, rapid fire, intermittent fire, every which way. We loaded the magazines with an assortment of Federal, Browning, Remington, Winchester, Western and CCI .22 Long Rifle ammo, often mixed up. Only once or twice did any of three staff members testing these two guns encounter a malfunction of any nature. These were minor jams which were quickly cleared. The guns fed and fired everything we gave them. After firing hundreds of rounds, we were quite satisfied with their performance.

Calico High Tech .22s

RIGHT—The folding stock worked well in the standing or kneeling position but was difficult for testers to use in the prone position.

BELOW—This shooter found that by using his free hand as a support for the rear of the pistol he was able to shoot more accurately.

BELOW RIGHT—The pistol performed nicely in all positions used.



The folding stock on the carbine works fine for offhand shooting, but can't be used with the bipod when firing from the prone position.

Pistol—The American Industries Calico pistol features an aluminum alloy receiver and six-inch barrel with integral muzzle brake. In all honesty, we have to state the muzzle brake (also labeled a flash suppressor) is more cosmetic than anything else. There's no way this .22 caliber rimfire is going to produce sufficient recoil that one has to employ a muzzle brake. We shot this gun with one- and two-hand holds both slow and rapid fire and it was quite controllable. The plastic pistol grip features a metal sealed compartment which might be employed to store survival equipment such as matches or a compass. The complete pistol, with empty magazine, weighs only three pounds, which is pretty light considering the gun's overall length of 17.9 inches. The sights on this gun are very simple, and only the front sight is windage adjustable.

Carbine—The design of the Calico carbine is very similar to the pistol relative to the receiver. The 16.1-inch barrel is housed inside a ventilated barrel shroud and it features a birdcage type muzzle brake. Same thing here. This brake is purely cosmetic. A flash suppressor? Having fired many handguns and rifles at night, we know a .22LR isn't going to produce muzzle flash after dark, especially from a 16-inch barrel.

Unique to this gun is its removable barrel. An alloy nut immediately in front of the trigger housing and front sight will allow you to remove the barrel assembly for ease of storage. The sights differ between these two guns in that the front sight on the pistol is now the rear sight on the carbine, the post being replaced with a notch. The rear sight is windage adjustable, while the front sight is adjustable for

elevation.

Both guns are equipped with ambidextrous safeties, something quite desirable but seldom found on firearms. Only the left side of the receiver is marked with a white S (Safe) and a red F (Fire), however. To the rear of the front sight housing you'll find a swivel sling ring, and another on the end of the folding stock so you can carry the carbine with a sling. As mentioned earlier, the stock works okay when you're firing offhand, but it won't mate with your shoulder if you attempt to shoot from the prone. A small bipod comes with the gun, featuring one-piece folding legs.

Ours came with a sheet metal scope mount with a pair of screws designed to replace the spring-loaded take-down pins in the receiver. We had difficulty aligning one of the screws on our gun, then after we



The Calico M-100P pistol looks big and bulky, but it's relatively lightweight and well balanced.

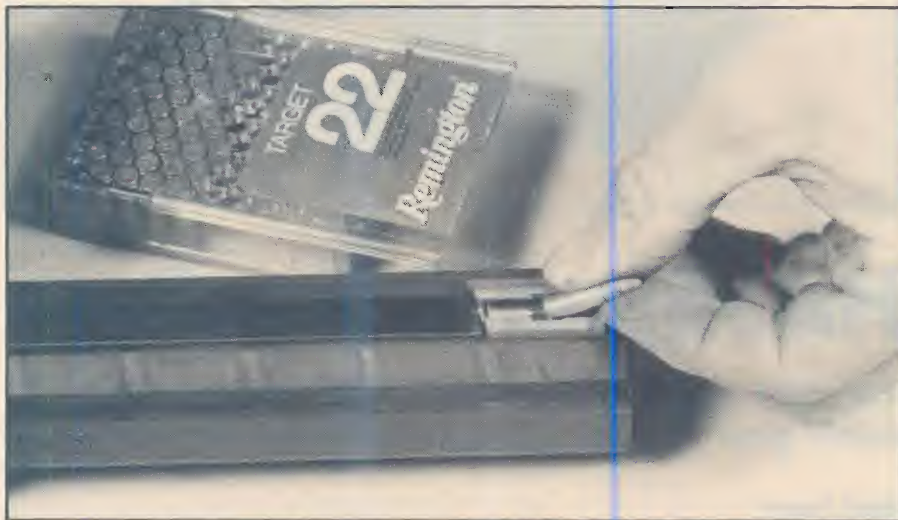
got the mount on, found the mount accepted a very small rail mounting system. Our Bushnell scope with rail mount, which is of a common design, proved too large for the Calico mount, so we utilized the metallic sights furnished with the gun.

Both guns are furnished with a convenient cocking lever on the left side of the receiver, just above the trigger guard. To chamber a round, just pull back on the handle and release it, and the bolt will chamber a cartridge. Should you ever encounter a jam while loading, pull the bolt handle back and press up on the Bolt Stop, which is located on the upper part of the trigger guard immediately in front of the trigger. To release the bolt, simply pull

back a bit and release.

As with any firearm, one should clean the bore and receive after every firing session and clean the overall gun regularly. Mechanical parts, such as the trigger assembly, can be lubed with Breakfree or similar lube. A lot of people shirk cleaning .22s because they feel they can't get that dirty relative to powder residue. Wrong! These little lead bullets leave a lot of residue in the bore which should be scrubbed with a good bore brush and solvent, then swabbed with a dry patch, and followed up with an oiled patch.

Take care of your Calico M-100, and it should perform well for a long time if our brief experience with them is any indication of their quality. ●

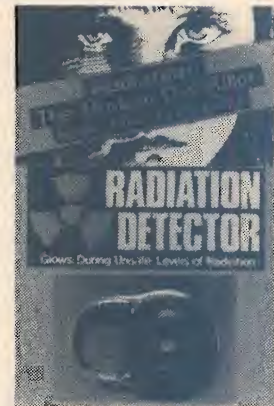


The helical mags take no longer to fill with 100 rounds than you'd spend loading 10 10-round magazines. The carbine and pistol magazines are almost identical.



Pull a pair of retaining pins, and the upper receiver hinges forward so you can clean the bolt assembly.

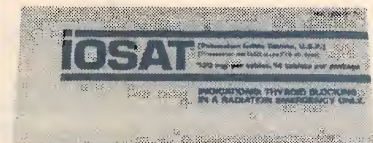
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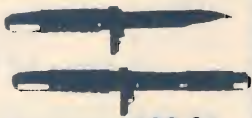
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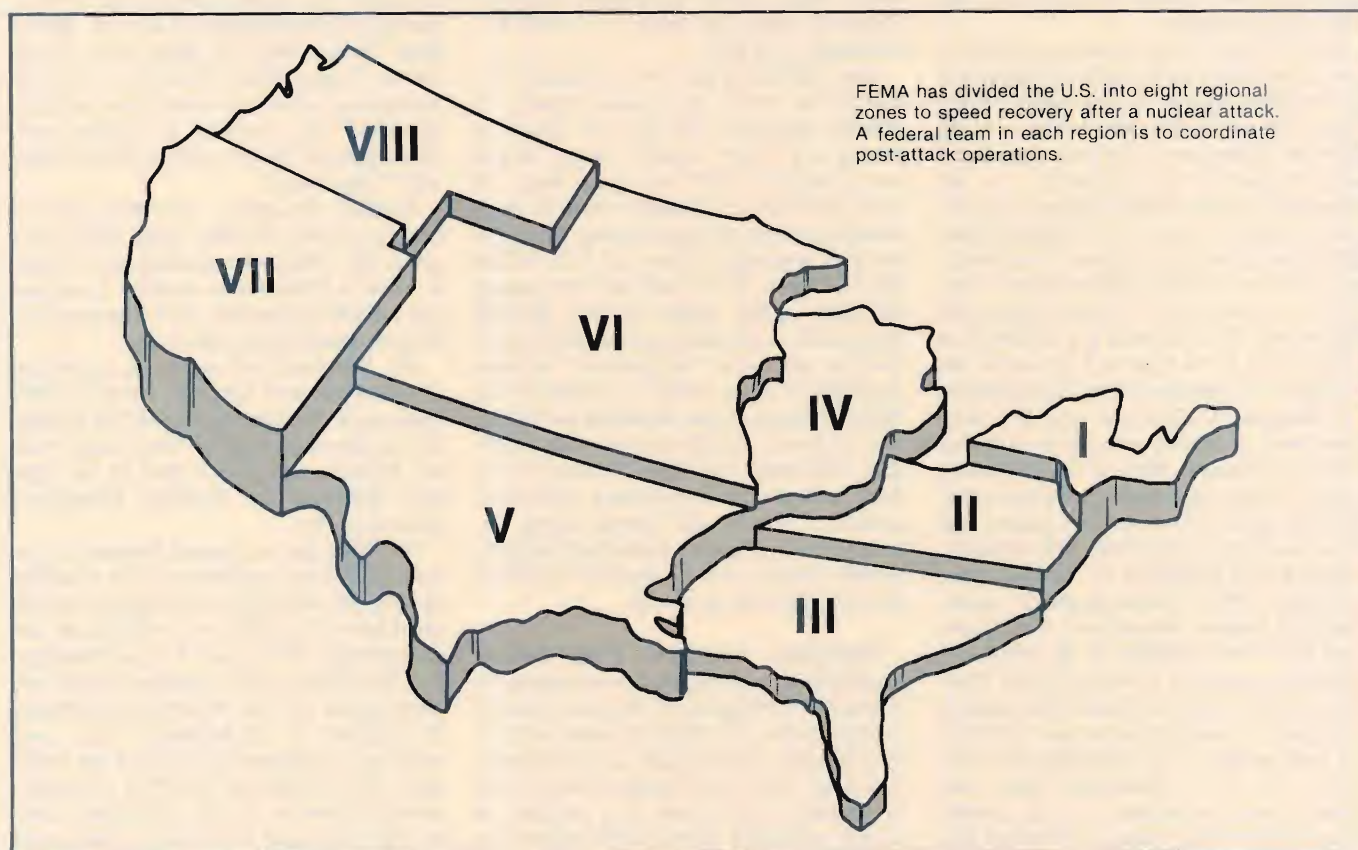
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Nuclear Attack:

One For All And All For...?

A survey of government and corporate survival plans . . .

By Michael Pietrantonio



JUNE 15, 1955 12:08 PM. 50 civil defense sirens shout their warning throughout the nation's capital. They signaled the start of the most massive and comprehensive civil defense exercise the United States had ever undertaken.

During the course of the exercise civil defense authorities throughout the country conducted evacuations, cleared streets, and measured radiation levels under simulated attack conditions. The exercise, code named "Operation Alert 1955," assumed that over 55 cities in the United States had been hit. Simulated damage levels to those cities ranged from moderate to complete devastation.

Most major cities in the U.S. participated in this exercise. In New York City air raid sirens sounded about two hours after the start of the exercise. The streets were quickly cleared of people. Civil defense workers, dressed in full protective garb practiced decontamination techniques. In the city dozens of people were arrested for refusing to take shelter. Most of them were anti-nuclear protestors.

Back in Washington, D.C., within minutes of the first siren blast, hundreds of key personnel, including President Eisenhower himself began to evacuate to 31 relocation centers. All of these centers were within 300 miles or one day's drive from the capital. At the height of Operation Alert over 15,000 government workers would be evacuated to these centers.

President Eisenhower signed a declaration of emergency while en route to one of the relocation centers. Within three hours of the first sirens, President Eisenhower and his cabinet would rendezvous at one of the relocation centers and begin to assess the simulated damage reports which were pouring in. Within six hours the President would assume active command of the exercise from a top secret location known as Ravon Rock. From this location, known technically as the Alternate Military Command Center, President Eisenhower would actually run the country for more than three days.

Operation Alert 1955 represented the high point of U.S. civil defense prepara-

tions and exercises. Over the next 20 years, for a variety of reasons, civil defense dwindled in importance and funding. In the mid and late 1970s under President Carter, civil defense began again to be a national concern.

This article will examine the current level of federal, state, and corporate civil defense planning.

In 1978 for the first time in 20 years the people of the United States were given a glimpse of some of the preparations the federal government has been making for those in key roles to survive and conduct a nuclear war. In that year President Carter, as part of a defense exercise, ordered the surprise evacuation of some key Washington personnel. Standing in for the President was his National Security Advisor, Dr. Zbigniew Brzezinski.

From the White House lawn Dr. Brzezinski and an aide were airlifted by Marine helicopter to Andrews Air Force Base. An interesting slip-up occurred during this portion of the exercise. It seems that no one told the Secret Service that the Presi-

One For All And All For . . . ?

dential helicopter would be landing and, according to Gen. Robert Rosenberg, the chopper came very close to being shot down.

At Andrews Air Force Base Dr. Brezinski, still playing the part of the President, boarded a specially modified 747 and was safely airborne within 10 minutes of the start of the exercise.

The 747 used in the exercise was one of four such planes built under the direction of President Nixon in the early 1970s. These planes, technically known as the National Emergency Airborne Command Posts (NEACP), or "kneecap" are the President's prime defense against a sneak nuclear attack on the U.S. Original plans called for six of these planes to be built, each at a cost of \$250 million dollars. Currently at least four of these planes are operational. Two of them are stationed at Andrews Air Force Base and two are at the Strategic Air Command Base Headquarters in Nebraska. All four are kept at a constant ready condition and can be airborne within 10 minutes. With mid-air refueling every 12 hours these planes are able to stay aloft for up to 72 hours. The planes and the electronics in them have been specially designed and hardened to withstand the damaging EMP (electromagnetic pulse) effects of nuclear detonations. The planes have also been shielded to the effects of radiation caused by a nuclear blast. They carry a crew of up to 90 and from them a President or acting Commander in Chief can issue orders to the Strategic Air Command, the U.S. submarine fleet, and ground forces anywhere in the world. From within these planes a President can

order anything from a single missile launch to a full scale retaliatory attack. The official code name of these planes is "Nightwatch." Although President Nixon ordered their construction, it was President Carter who was the first President to actually fly in one of them. It was this initial flight which prompted President Carter to order the exercise in which Dr. Brezinski took part.

The NEACP planes were designed for use in the event of a sneak attack. In defense parlance this type of attack is known as a "boob" attack. "Boob" in this case stands for "bolt out of the blue." If such an attack is launched the U.S. early warning system will give between 20 and 30 minutes warning before the first ICBM hits its target. It is a safe bet that among the first strikes many will be directed against the command structure of the U.S. Such an attempt at "decapitation" is made much less likely to occur or succeed by the NEACP planes. Upon receiving an indication of enemy missile launches the President will board one NEACP plane and a SAC commander in Nebraska will board another. Two NEACP planes being airborne give the system a redundant capacity so that the U.S. will be assured of its ability to retaliate in an attack.

Emergency Command Posts—Should the President have more time and decide to evacuate Washington DC because of escalating tensions, the NEACP planes will not be necessary. In that case, as with Operation Alert 1955, the President will be able to relocate to any one of a number of secure command posts buried under the

mountains of the Appalachian range in Pennsylvania, Maryland and Virginia.

Ravon Rock, mentioned before is still in use today. Its location, near the small Maryland town of Sabillasville is most nondescript. All that can be seen by the public are the antennas protruding from the mountain top. Signs indicate that no trespassing or photographs are allowed. Ravon Rock is less than 10 miles from Camp David. Camp David itself has its own emergency operations center from which a President can conduct a nuclear war. Underground cables connect Ravon Rock with Camp David.

Another emergency command post is located at Mt. Weather near Paris, Virginia. Mt. Weather was designed not only to allow a President to conduct a nuclear war but also to function as an alternate seat of government after such a war.

Mt. Weather is of course top secret but its existence and function came to light because of the crash nearby of TWA flight 514 in December 1974. The plane crash cut teletype and power lines in the area and disrupted the National Emergency Broadcast Net.

Mt. Weather, so named because of the very nondescript weather station standing on its peak, has within it enough room and provisions for 2,000 top officials of the government. War rooms for the President and his military staff, meeting rooms and living space for the Presidential Cabinet, the Justices of the Supreme Court, and some key Congressional leaders are available. The complex is fed from an underground reservoir, so the inhabitants need not be concerned with having their water supply contaminated by fallout.

Mt. Weather and Ravon Rock are only two of a number of such locations which taken collectively are known as the Federal Relocation Ark. The primary purpose of the Ark system which numbers in excess of 30 shelters is to preserve the government, leadership, and key agencies in the event of a nuclear war.

Besides those personnel mentioned above, the federal government acting via FEMA, the Federal Emergency Management Administration, has very specific plans and intents for the survival of key agencies and departments. Some of these agencies and departments even have their own shelter system to insure their continued functioning.

In 1969 President Nixon signed Executive Order 11490. That order mandated that more than 30 departments of the government begin instituting plans to assure their "post attack survival."

FEMA recently classified all governmental agencies and departments as either Category A, B, or C. The agencies of category A are officially classified. It is known,

(Continued on page 48)

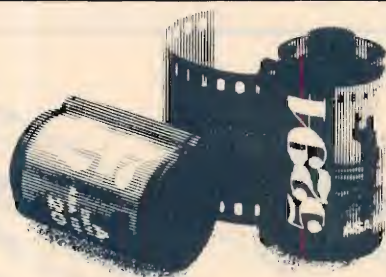
The E-4 is a modified version of the Boeing 747B jet transport. Using improved communications and data processing equipment, the E-4 will provide SAC and National Military Command Authorities with increased survivability and growth capabilities in the airborne command post system, according to Air Force officials.



An EC-135 Airborne Command Post, codenamed "Looking Glass," is always in the air over the U.S. Should the NEACP planes be unable to assume control or SAC command posts become inoperative, the EC-135 is supposed to preserve the ability of the U.S. to retaliate in a nuclear attack.



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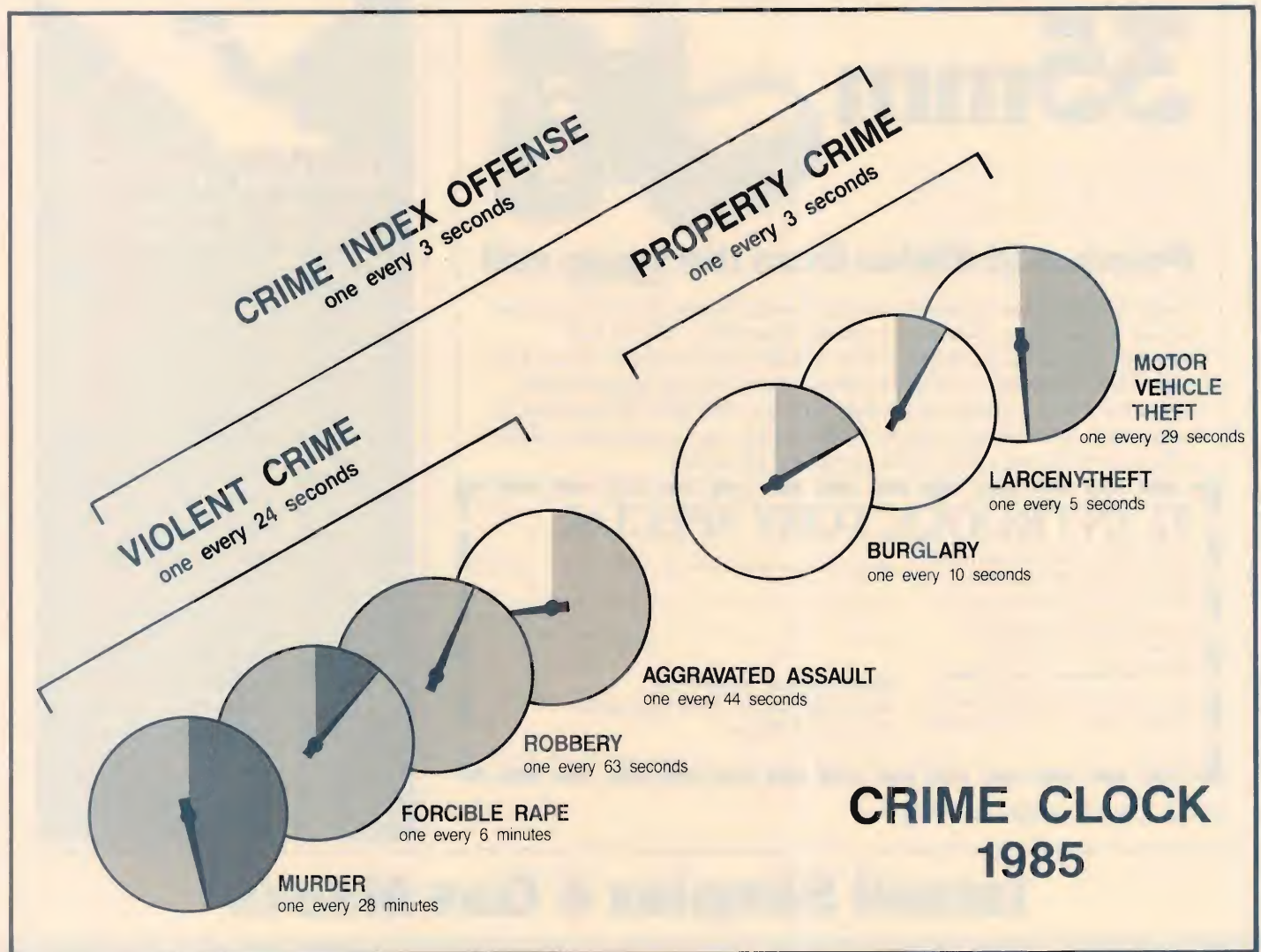
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Victim Rights:



Violent Predators

Only by cultivating an attitude of hard, calculated self reliance can we be reasonably sure of being capable of preserving our lives, property . . .

By Robert S. McKay

ILLUSTRATIONS COURTESY OF THE FBI

IN the U.S., more than 12,430,000 serious crimes were reported to authorities in statistical year 1985. According to the FBI "Crime Clock," this means that:

A robbery or mugging occurs every 63 seconds . . . A murder occurs every 28 minutes . . . A rape takes place every 6 minutes . . . A burglary, every 10 seconds . . . An auto theft, every 29 seconds . . .

According to the Bureau of Justice Statistics, over 8,000,000 households like yours were touched by "crimes of high concern"—rape, robbery, assault by strangers,

and burglary—while violent crimes alone left their insidious mark on more than 4,400,000 families. These statistics represent about 28 percent of all American households; 1 of 5 suffered a burglary, while 1 of 10 suffered either a burglary or a violent assault by strangers. In all, a total of 86,236,000 Americans—almost three-fifths of the population—were affected by serious crime in 1985. At current rates, a citizen is more likely to be a crime victim than a victim of fire, auto accident, or cancer. Statistically, every American

household can therefore expect to be touched by serious crime at least once every four years!

In statistical 1985, for every criminal in jail or prison (452,361), there are at least three others on probation or parole (1.6 million on probation, 243,176 parolees). Most of these—between 65 and 80 percent—will "recidivate," or continue to commit new crimes upon release. At the present time, we can anticipate that the figures for statistical 1986 (which have not yet been released by the FBI) will least resemble the

1985 figures.

And what can we expect in the long haul? More of the same, despite slight decreases in crime rates for 1983-84.

Consider that the FBI's UCR covers only reported crimes, and doesn't take into account the various "Victimization Surveys" which place the actual incidents of crime at almost three times the reported number, and you will perhaps be closer to an understanding of the real crime problem as it currently exists. Many serious crimes—particularly rapes, burglaries, and assaults—are simply not reported for a variety of reasons; embarrassment, fear of reprisal, or just plain apathy towards the criminal justice system in general.

While police often point to their "clearance records," this does very little to console the murder victim's family, the victim of a brutal crime, or the family victimized by burglars. These are after-the-fact events that do not bring back the dead, assuage the fear, or replace the losses suffered by law-abiding citizens. But the most alarming statistic of all is that 5 percent of all criminals commit over 50 percent of all crime! Hard as it may seem to believe, a small handful of "sociopathic misfits"—serial killers, professional burglars and armed robbers, sexual psychopaths and others—constitute the greatest single threat to your personal safety. Criminologists and psychologists call this class of criminals the "violent predators."

Crime Victims—Even before the recent wave of interest in vigilantism generated by the Goetz shootings in New York, many public interest groups and politicians were screaming about "victim rights," and several states have established "Crime Victim Compensation Funds" to aid people in this regard. No matter how hard we attempt to insulate ourselves from the potentiality of criminal attack, the specter of statistical probability looms over us. And although our sympathies with law enforcement may be great, it does not take a mental giant to realize that a police agency or department will seldom be at our elbow when one of the violent predators

decides to strike. With all the clamor about "victim rights" we tend to forget that the most effective "right" is the one which allows us to defend ourselves, on the spot. Worrying about whether or not the state will pay for your recuperation after a mugging is warped thinking; better to think in terms of stopping the predator *before* he injures you, than to worry about compensation for loss or injury afterward.

Today's survivalists, especially those in urban areas, are literally "at war" with an entire class of individuals who make a living as professional criminals. We are, most of us, aware of the "revolving door" characteristics of the criminal justice system, which only briefly takes a criminal away from his chosen profession, victimizing the innocent. In addition, we are burdened with a legal system (in most states) which denies respectable citizens the right to go armed in their own defense. And some of us are also laboring under the delusion that crime can either be "controlled" or stamped out altogether, if only we had more prisons, more cops, or better social conditions. In reality, none of the experts—criminologists, police, or politicians—has any workable methodology to eradicate crime. One of the greatest freedoms we have in America, provided for us by the Bill of Rights, is the "freedom to commit crimes."

As one Sheriff of a large California county once remarked, "Police can't do a damned thing to stop or retard crime, and the American people don't want us to. Why? Because it would require a virtual police state, and we would have to abandon altogether a few of the Amendments to the Bill of Rights. Sure, we could cut crime by 90 percent—but at what cost to individual liberty? Crime at its worst," he concluded, "is still better than a repressive police state at its very best, isn't it?"

We can't always buy our way out of facing crime with new deadbolts, more lights in the driveway, or by petitioning for more patrols in the neighborhood. The very fact that America allows its citizens—even violent predators—to exercise so much individual freedom leads to the realization

that crime will likely be part of the American social fabric. It always has been. Over the years since 1837, when the city of Boston formed the first true police "department," we've managed to forget or ignore the fact that personal protection is every citizen's right and responsibility. The very nature of our free society precludes some attempts to eliminate crime in advance, but it does allow us to stop criminals during the commission of their crimes, or to at least prevent them from carrying on their criminal activities.

This is the most effective yet often ignored right of the victim; lethal or disabling resistance, with or without weapons. Let the experts argue their lips off about the social or biological causes of crime. What do you or I do to defend ourselves against it? Pretending it isn't there or that it will happen elsewhere is foolish; crime claims a victim just like you every 27 seconds . . .

Protecting Ourselves—If the scientists can't explain or prevent it, if police can't control it, and if the court system won't at least keep the violent predators who are arrested off of the street, we will simply have to do the job ourselves. We've been complaining and passing the buck for decades, and what has it gotten us? More crime, more cops, more prisons that are bulging at the seams.

Living is an exercise in survival, and personal protection is simply too important to be left solely to paid hirelings, no matter how dedicated they may seem. We cannot continue to blame the courts, police, or politicians for the crime problem unless we as citizens are willing to do something about it besides moan and complain. As Pogo so aptly put it, "We have met the enemy—and he is us!"

The most valuable right of the victim is to refuse to be a victim! Resist in the most effective way possible; in so doing, we set an example for others who are simply fed up with fear of crime. Granted, it would be foolish to fight back or resist the demands of attackers in some cases, but the number

(Continued on page 38)

CRIMES CLEARED BY ARREST 1985

CRIMES OF VIOLENCE	murder	CLEARED	72%	NOT CLEARED
	aggravated assault		62%	
	forcible rape		54%	
	robbery	25%		
CRIMES AGAINST PROPERTY	burglary	14%		
	larceny-theft	20%		
	motor vehicle theft	15%		

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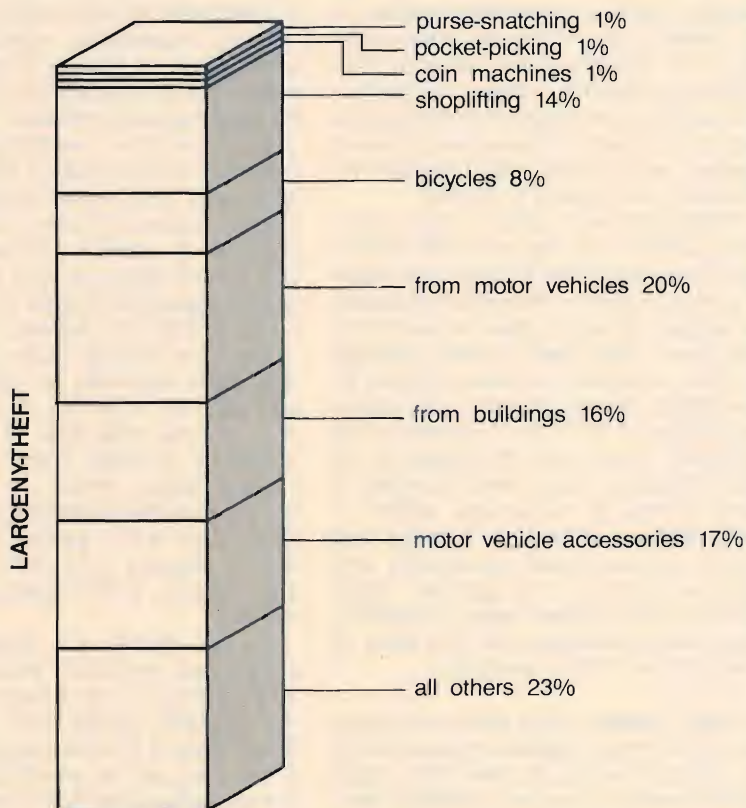
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DEALER INQUIRIES WELCOME

Violent Predators

(Continued from page 37)

LARCENY ANALYSIS 1985



Because of rounding, the percentages do not add to 100%.

of people who die putting up a good fight is far smaller than the number who are executed after submitting to the perverse whims of the violent predators.

After all, if the violent predators thought that armed and determined citizens whom they victimize might turn the tables and *kill them*, they would be less anxious to attack the innocent. A woman who gouges out a rapist's eyes or damages his testicles, a storeowner who dispatches fleeing robbers with a shotgun, or the angry old lady who runs a steak knife into a would-be burglar, do more to deter crime than all the arrests on record. The right to defend yourself exists in all 50 states, and it is a right not invoked often enough. You cannot pay others to invoke it for you, since they will usually not be around when you are threatened. It is one right which must be invoked *on the spot*. Refuse to be a victim. Learn to defend yourself just as you would learn CPR or how to drive a car, as a necessary survival skill. Learn the laws in your locality as they relate to the deadly use of force, become familiar with armed and unarmed fighting methods, improvised weapons, home security, and

methods of avoidance.

You must be *prepared* to resist, and you must also have *practiced* methods of doing so for such an approach to be viable. Only by cultivating an attitude of hard, calculated self reliance can we be reasonably sure of being capable of preserving our own lives and property.

We need not adopt the old ways of vigilantism by acting as adjudicator and executioner, but we can invoke our primordial right to defend ourselves regardless of how many violent predators we may kill or maim in the process.

So, rather than concerning ourselves with the "rights" of the dead or maimed victims of these violent predators, let's concentrate on proactive "rights" for the live ones! Let's stop pretending that police agencies can always anticipate street crime or stop it in progress. Let's take responsibility for our own lives, instead of cultivating an ignorant dependence upon the authorities for our protection. Your survival and the defense of your property is *your job*, regardless of whether you choose to realize it or not. ●

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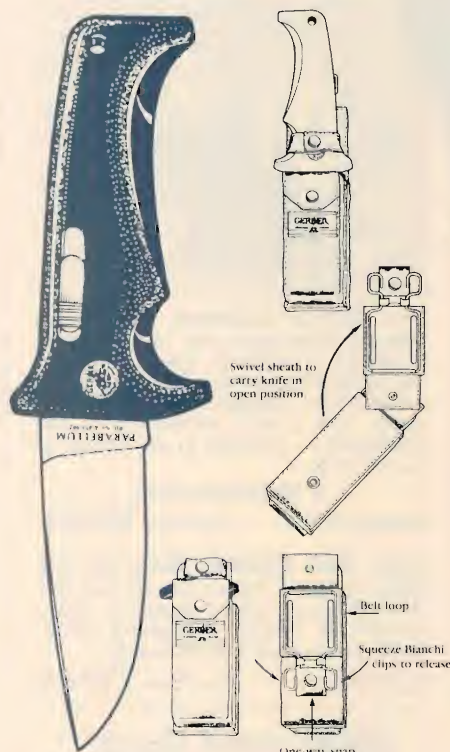
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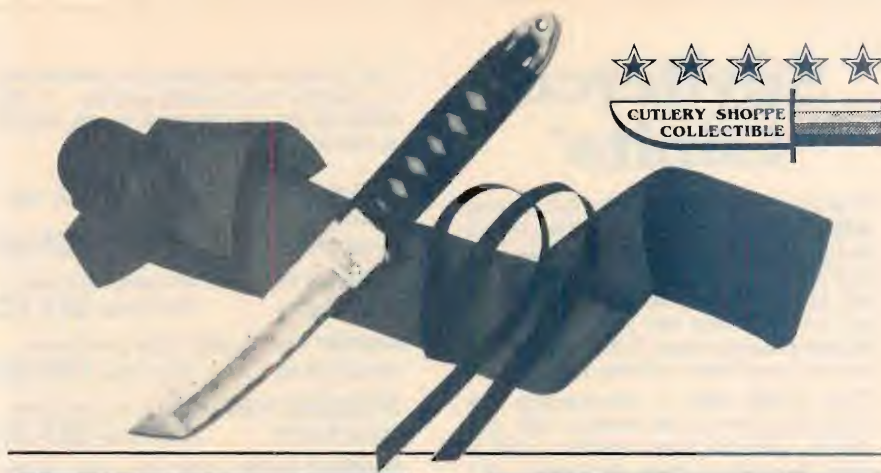
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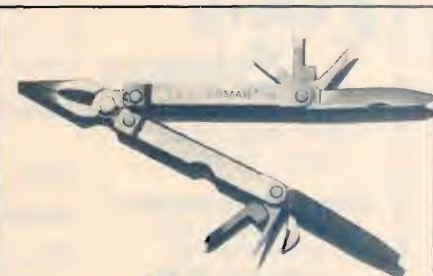
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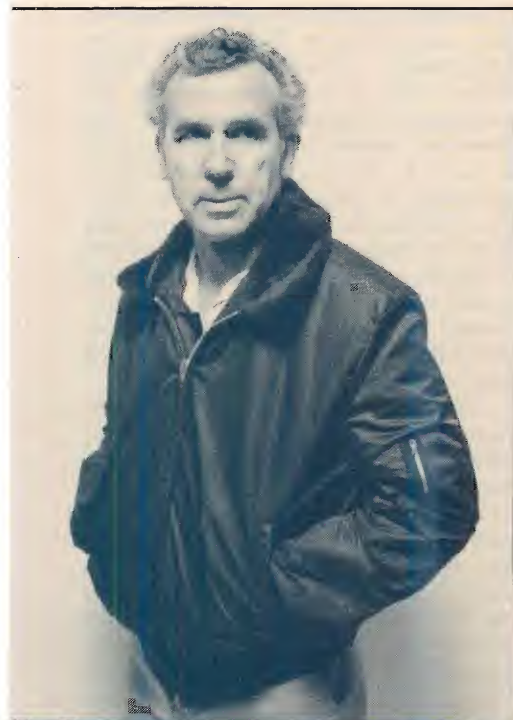
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Staff Report

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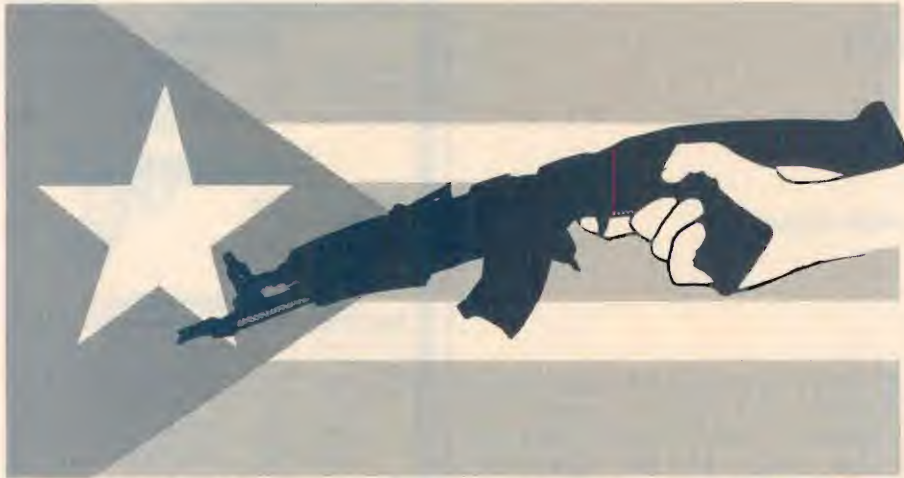
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Separatism:

America Dismembered

Territorial terrorists in the United States . . .

By Carl H. Yaeger



The Puerto Rican FALN is considered the most dangerous terrorist group in the U.S. by the FBI.

(This is one of a series of articles that will run occasionally on terrorist groups and organizations. This article deals only with those individuals involved in terrorist activities or support and is not intended to reflect negatively on other individuals of the same ethnic/religious/national backgrounds—The Editors.)

IF a small number of Hispanic and black revolutionaries had their way, the United States would be dismembered—cut back to her 1844 boundaries minus a sizable portion of the old confederacy. Puerto Rico would be given her independence, the territory won from Mexico in the Treaty of Guadalupe Hidalgo in 1848 would be re-united with a Marxist Mexico, and five states in America's southeast would become the all-black Republic of New Afrika. Add to this the territorial demands of radicals of the American Indian Movement (AIM) and the United States would lose approximately half of its present territory if the fantasies of these groups ever became a reality.

Puerto Rican Nationalists—The Federal Bureau of Investigation has long considered the Puerto Rican terrorist groups, especially the FALN, as the most dangerous terrorist groups in the country.

The Puerto Rican struggle for independence (for that tiny percentage of islanders who want independence) is rooted in the claim that Puerto Rico was an independent sovereign nation, not a Spanish colony,

when American troops “liberated” the island in 1898. There is some truth to this assertion. The Nationalist Party of Puerto Rico (NPPR) led an abortive revolt in 1868 in order to overthrow the Spanish and establish an independent nation. Although the revolt was crushed, Spain later recognized the NPPR demands and, on November 25, 1897—a year before U.S. troops invaded the island, Spain recognized the “Republic of Puerto Rico” in a document known as the “Autonomic Charter.” When Puerto Rico was ceded to the United States under the terms of the Treaty of Paris which ended the Spanish-American War, the NPPR refused to recognize the treaty.

In 1922, the NPPR was formally established as a political party in Rio Piedras, Puerto Rico, avowing as its central purpose the securing of the separation of Puerto Rico from the United States and establishing a free, independent, and sovereign nation. Little was heard from, or of, the Puerto Rican nationalist movement until 1950. During the period of October 27-30 of that year, there were sporadic terrorist incidents including an unsuccessful attack by five NPPR militants on the Governor's mansion in San Juan. The town of Jayuya was isolated and held by units of the NPPR, only to be re-taken by the Puerto Rican National Guard. An ominous sign of NPPR intentions was the development of clandestine cells on the mainland and the planning of spectacular terrorist activities.

The incidents of violence on the island were being followed with great interest by the large population of Puerto Ricans in New York City. Nationalists, previously

unknown to each other, began to meet, compare ideas, compare strategies, and plan for future actions. Two of the most ardent nationalists were Oscar Collazo, a former chairman of the New York branch of the NPPR, and Grislio Torresola, a 25-year-old unemployed laborer.

In the fall of 1950, President Harry Truman was residing at Blair House, across Pennsylvania Avenue from the White House while the executive mansion was undergoing extensive repairs. Collazo and Torresola, armed with two pistols, arrived by train at Washington's Union station, and made for Blair House with the intention of killing the President. In a brief gun battle in which a White House guard and Torresola were killed, and Collazo and two guards wounded, the Puerto Rican revolutionary movement had its first martyrs. The NPPR insurgents went underground and began a period of re-organization.

The Puerto Rican independence movement was all but forgotten until March 1, 1954 when Lolita Lebron, Andres Figueroa, Raphael Miranda, and Irving Rodriguez, all NPPR terrorists, went up to the public part of the gallery above the chambers of the House of Representatives in the nation's Capitol building. At 12:31 p.m., the four whipped out their handguns and blazed away at the congressmen below for approximately a minute amidst shouts of “Free Puerto Rico!” Luckily, no one was killed in this mass assassination attempt, but five congressmen were wounded. All four would-be assassins were arrested, tried and imprisoned . . . more martyrs for the Puerto Rican revolutionary movement.

The success of Fidel Castro in Cuba breathed new life into the moribund Puerto Rican nationalist movement and imbued it with a Marxist-Leninist ideology and an urban terrorist strategy. Several new groups emerged. The largest and most dangerous was the Armed Forces of National Liberation—the FALN—which is a Puerto Rican separatist-terrorist movement active primarily on the United States mainland, especially in New York and Chicago. It sprang to prominence in 1975 with a dramatic detonation of a bomb in New York City's historic Fraunces Tavern. The explosion killed four and wounded 54 others. This attack was followed up directly after by incendiary assaults on several large department stores. The FALN then targeted FBI offices, multinational corporations such as Gulf-

Western and Chrysler and, in 1978, banks and department stores in Puerto Rico itself were targeted.

By 1980, the FALN could claim to have detonated its 100th bomb. Credit for its prolific bombing campaign must go to Guillermo "Willie" Morales, the FALN's demolitions expert. Unfortunately for Willie, a bomb he was manufacturing blew up in his face, reducing his hands to stumps and shearing off his lips and chin. Although apprehended and sentenced to a 99-year prison sentence, the indomitable Morales escaped and fled to Mexico where again, he was arrested while planning to bomb a conference of U.S. and Latin American legislators in Puebla, Mexico.

The Boricua Popular Army, the EPB or Los Macheteros (machete wielders) emerged in Puerto Rico in 1978 as a terrorist movement which specifically targeted military installations and personnel on the island. On January 12, 1981, the EPB destroyed nine jet fighter aircraft at a cost of \$45 million dollars near Isla Verde International airport. The attack crippled the Puerto Rican Air National Guard's mission of defending the island against aerial attack. On December 3, 1979, three Machetero gunmen ambushed a U.S. Navy bus near San Juan, killing two sailors and wounding eight.

The issue of the island of Vieques off the coast of Puerto Rico has served as a rallying cry for the separatists. Vieques is a Navy training facility; a perfect location for the practice of ship-to-shore bombardment, amphibious landings, and assorted war games. The native fishing industry and the agricultural base of Vieques has been disrupted and, according to the separatists, the U.S. government has bulldozed so many homes that only 6,000 of the original 70,000 inhabitants of Vieques remain. The revolutionaries see the future

of Puerto Rico as similar to Vieques; a form of genocide which would force the native population off the island and to the U.S. mainland where their culture and identity will be destroyed, thus emasculating the notion of Puerto Rican nationhood.

During the past few years, five Puerto Rican terrorist organizations have formed a united front against the "U.S. occupation forces." They are the FALN, the Macheteros, the Armed Forces of Popular Resistance, (FARP), the People's Revolutionary Commandos, (CRP) and the Organizaion for Volunteers for the Puerto Rican Revolution (OVRP). They are referred to, collectively, as the Armed Clandestine Movement. To them, Puerto Rico is at war with the United States and only guerrilla warfare on the island and terrorism in the "gut of the beast," the U.S. mainland, will win the island its independence.

Mexican Revolutionary Groups—The treaty of Guadalupe Hidalgo which ended the U.S.-Mexican War of 1848, has never been accepted by millions of Mexicans on both sides of the border for the past 138 years. For them, the states of California, Arizona, New Mexico, Utah, Nevada, Colorado, and Texas are the "lost and conquered" territories of Mexico. The 1,945-mile border is seen as an illegal "military zone," an artificial and illegal boundary separating Mexico from her occupied lands. The militant Movimiento de Liberacion Nacional (National Liberation Movement-MLN) describes itself as a nationalist anti-imperialist organization of Chicano-Mexicano people which is attempting through various means, including "armed struggle" (terrorism and revolutionary warfare) to re-united the conquered provinces of Mexico with a socialist motherland.

The MLN has a real, but tenuous association with the Comité de Defensa



The National Liberation Movement—MLN—was formed for the express purpose of reuniting Mexico's "conquered provinces" with the Mexican nation.

Popular, a mass Mexican revolutionary organization. The two organizations have developed a common strategy to 1) overthrow the "fascist" government of Mexico which is now controlled by the Institutional Revolutionary Party (PRI); 2) to wrest the colonized territories away from the United States through armed struggle; and 3) to support the "just revolutionary struggles" of the Puerto Rican separatists, native Americans, and blacks, for their own territorial homelands.

The two domestic Mexican revolutionary groups which provide the terrorist muscle for the MLN are the California-based Chicano Liberation Front and the Denver-based Crusade for Justice.

Originating in the Mexican barrios of East Los Angeles in 1970, the Chicano Liberation Front has a history of terrorist violence and has been involved in numerous terrorist acts directed against large corporations and law enforcement personnel. In 1974, the CLF claimed credit for the murder of the Union City, California, Chief of Police while he was meeting with members of the Mexican community there. The CLF has infiltrated and has attempted to radicalize the farm workers movement and has carried out bombing attacks against Safeway markets in support of farm workers demands. The CLF has close links to the West Coast-based New World Liberation Front and, it has been reported by law enforcement intelligence agencies, has undergone terrorist training with the NWLF in Northern California as well as in Mexico and Cuba.

The Mexican-American Crusade for Justice (CFJ) was founded in Denver, Colorado, in the early 1970s and has close operational links to the CLF, the FALN, and the militant American Indian Movement. The activities of the CFJ came to light in 1974 when a number of their members were killed while attempting to assemble explosive devices. In March of 1978, another CFJ member was killed when the bomb he was placing exploded. CFJ bomb-making expertise improved, however, as soon as they established a training liaison with the more technically-proficient FALN.



In 1979 five Puerto Rican terrorist groups banded together to form the Armed Clandestine Movement. This symbol of the ACM was released with their first communique in September 1970.



Land or Death! is the MLN's battle cry.

America Dismembered

The Revolutionary Communist Party and its youth arm, the Revolutionary Communist Youth Brigade, are becoming increasingly involved in Mexican-American activities and have taken up the cause of the MLN for the re-unification of Mexico's "conquered lands." The Revolutionary Communist Party has agitated actively within the Mexican-American community and has undertaken joint action with the CLF and the CFJ. The RCP is an extremely violent, pro Red China (Maoist) revolutionary party operating throughout the United States.

The MLN has promised to follow the example of its sister organization in Mexico; the 300,000-member (claimed) *Comite de Defensa Popular* (CDP) and to start "expropriating" land in the conquered American territories. In the Mexican state of Chihuahua, the CDP has already begun this process and has taken over large tracts of land from large landholders and has organized "armed proletarian" communities named after Mexican revolutionary heroes, such as Colonia Francisco Villa and Colonia Emiliano Zapata.

The MLN and its militant CLF and CFJ units have long believed that the armed struggle in Chihuahua and the state of Guerrero will serve as the example for the Mexican-Americans.

The battle cry of the Mexican Revolution of 1910—*Tierra O Muerte! Land or Death!*—is an appropriate slogan for U.S. Chicanos, exclaim spokesmen for the MLN.

Republic of New Afrika—The dream of an all-black nation within the borders of the United States is as old as the establishment of the Republic of Haiti which was formed after a slave revolt in the early 19th century. Other slave revolts in the United States, the Nat Turner rebellion in 1831 and the Denmark Vessey revolt shortly

after, were not only revolts for freedom, but for land and self-determination. The Universal Negro Improvement Association of Marcus Garvey, the Afro-American Blood Brotherhood, the Universal Association of Ethiopian Women, and the Nation of Islam, all marched under the banner of black separatism.

The marriage of terrorism to this dream, however, began with the Declaration of Independence in 1968 at the New Afrikan People's Convention in Detroit, Michigan. A "provisional government" was formed and the claim was made that the existing states of Louisiana, Mississippi, Alabama, Georgia and South Carolina—the hard core slave states of the old confederacy—would constitute the Republic of New Afrika.

The Declaration of Independence declared that armed clandestine struggle was the only means of attaining the goal of nationhood, and soon after, alliances were made with the Afrikan People's Party, the New Afrikan Prison Organization, and most ominously, the terrorist Afro-American Liberation Army. (AALA)

The AALA, also known as the Black Liberation Army (BLA) is part of the military muscle behind the Republic of New Afrika. A clandestine unit of the AALA/BLA broke into a New Jersey Prison on November 2, 1979, and "liberated" the RNA's most prominent political prisoner, Assata Shakur (Joanne Chesimard). Upon her escape, Shakur declared, "There is, and always will be armed struggle, until every black man, woman, and child is free, through a Black Liberation Army. We must defend ourselves and let no one disrespect us! We must win our liberation by any means necessary."

The AALA is an offshoot of the Black Panther Party and was formed by ex-Panther Donald Cox, who travelled extensively in the Third World. He had received terrorist training in Cuba, Lebanon,

Algeria, and Red China, and authored the *Little Red Book*, a manual for urban terrorists.

The AALA/BLA's ideology is Maoist-revolutionary and is active nationwide. The AALA/BLA has form links with the RNA, the Weather Underground Organization, the May 19th Communist Organization, and the Puerto Rican FALN. The AALA/BLA has been charged with the murder of twelve police officers, the break-out of black militant Joanne Chesimard, and at least six armored car robberies.

The May 19th Communist Organization is one of the most potent supporters of the RNA, MLN, and Puerto Rican separatists. It's a splinter of the old Weather Underground that was active in the 1960s and 1970s. It is a revolutionary Marxist-Leninist terrorist group engaged in a self-proclaimed revolutionary war against American imperialism, has expressed solidarity in both word and deed and has direct ties to, the German Red Army Faction and the Popular Front for the Liberation of Palestine. It has actively conducted terrorist underground operations with such groups as the FALN, AALA/BLA, Sam Melville-Jonathan Jackson Brigade, Tribal Thumb, and the Mexican units of the MLN. It has totally supported the above-ground support organizations fronting for terrorist groups such as the RNA, and the MLN.

The organizations under the umbrella of M-19, or affiliated with it, are collectively linked in a clandestine armed struggle to create the conditions for revolutionary war in the United States. These groups are uniformly anti-U.S., "anti-imperialist" organizations that believe that the root causes of the world's ills lie in America's exploitation of non-white, Third World peoples.

Believing that they are operating in the "heart of the beast," they have declared war and are responsible for over 30 bombings, since 1982, of federal installations and the major offices of multinational corporations. These operations have been claimed under the guise of the United Freedom Front, the Revolutionary Armed Task Force, the Armed Resistance Unit, the Guerrilla Resistance Movement, and Red Guerrilla Resistance.

The use of the various cell names is a classic terrorist tactic to delude and confuse law enforcement intelligence agencies while giving the appearance that the movement, and the revolution are much more widespread than they actually are.

AIM—The American Indian Movement (AIM) was founded in 1968 by Chippewa Indians Dennis Banks, Clyde Bellecour, and George Mitchell. A violent terrorist organization, AIM has been responsible

(Continued on page 63)



The Republic of New Afrika makes up the heartland of the old confederacy.

Alupower:

Emergency Light

Safe, long lasting light without batteries, candles or toxic chemicals . . .

Staff Evaluation



ABOVE—The Reserve Light One Strobe Light, left, and Flexi-Light with flexible neck not visible in this view, will operate for hours without loss of brightness utilizing electro-chemical action of salt, water, air and aluminum.

SAFE, secure, long lasting light in an emergency. Now you can have it without batteries, candles or caustic chemicals.

Reserve Light One FlexiLight and Strobe-Light use a simple, non-toxic chemical process combining ordinary table salt, water and an aluminum plate to create light that lasts for up to 48 hours at a time.

The Reserve Light system is based on the electro-chemical action of the water and salt on the aluminum. Oxygen in the air reacts through an air-permeable membrane with the solid aluminum plate attached to each type of light.

Each light comes in a kit complete with strobe or flexi-light with attached power cell containing a solid aluminum plate on each side, Reserve Light container, 8-ounce plastic mixing bottle, salt container and cleaning stick.

To activate add two capfuls of salt (three tablespoons) to the 8-ounce bottle and fill with water, then shake well to dissolve the salt. Pour the mixture into the Reserve Light container and insert the power cell

into the container, making sure the foam gasket fits between each pair of ribs along the inside walls of the container.

The Reserve Light One Strobe or Flexi-Light are then instantly activated and remain working for up to 48 hours of service.

The staff of ASG conducted a limited test of both the strobe and flexi-light units for several hours and found both performed flawlessly with no loss of brightness. The strobe is quite bright, as bright as any regular electric strobe we've seen. The flexi-light is not bright, but you can easily read or do emergency repair work within a foot of it and its flexible neck permits bending it to accommodate the needs of the user.

After use, it's important to thoroughly wash and rinse off the units and scrape off any crystals that have formed on the aluminum plates so they can be preserved in the best possible state for further use. The chemical action eats away at the plates, but we see no reason why they cannot be used numerous times for several hours each time without loss of brightness in the lights if they are well taken care of.

The Reserve Light One Flexi-Light is \$19.95 and the Strobe Light is \$24.95. For more information or ordering, contact Alupower, Dept. ASG, Claremont Road, Bernardsville, NJ 07924; or call toll free (800) 334-8196; in New Jersey call (201) 766-7783. ●



Each light comes in a kit complete with power cell, solution container, table salt, mixing bottle and scraper.



Three tablespoons or two capfuls of salt are added to about 8 ounces of water mixed. The mixture is then poured into the container and the power cell inserted to activate the light.

One For All And All For . . . ?

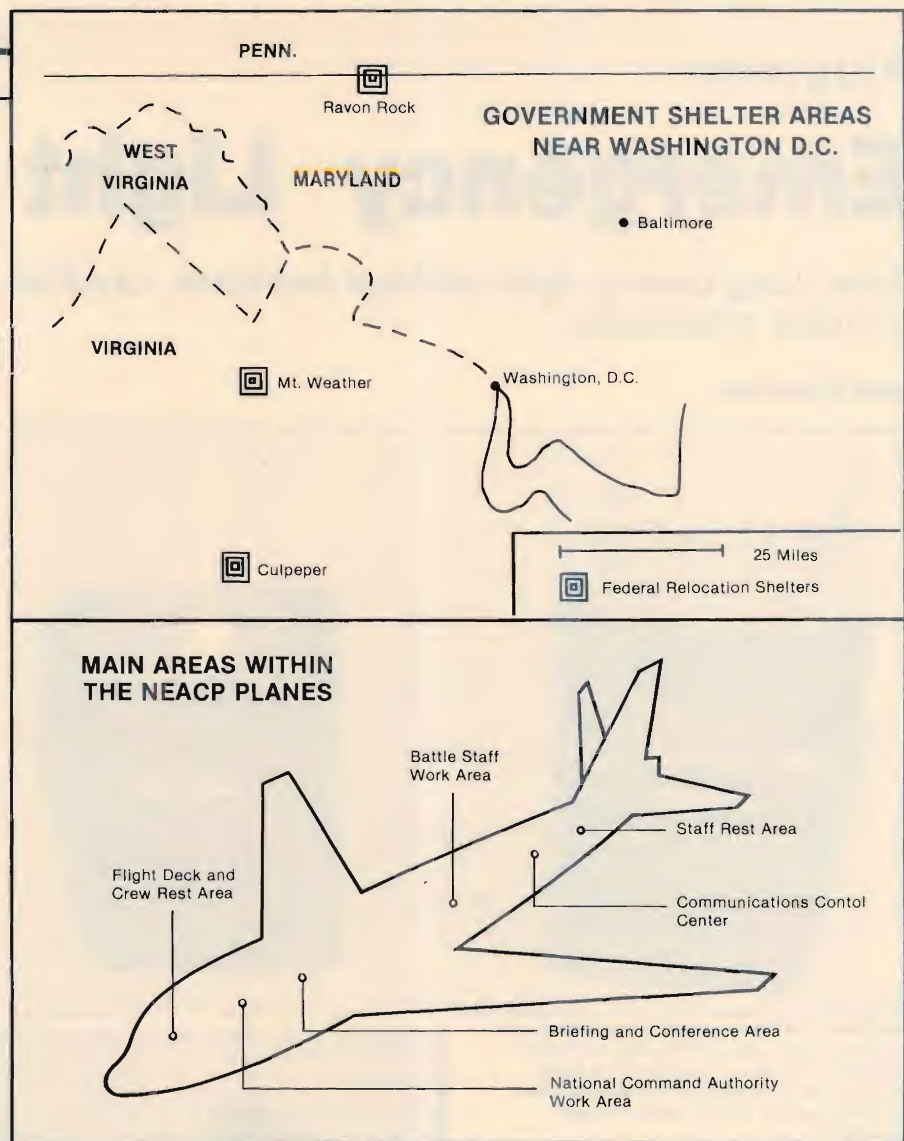
(Continued from page 34)

however, that there are approximately three dozen such agencies. Category A agencies are expected to keep functioning during and after a nuclear war. Among the departments to be included in category A are the CIA, FBI, Federal Reserve, FEMA itself, the Postal Service, the Dept. of Agriculture, the Dept. of Housing and Urban Development, and the Tennessee Valley Authority. Category A agencies are expected to have secured and ready all essential documents needed for the functioning of the agency. Under direction from FEMA these agencies have drawn plans which group key operating personnel into three sections. Upon notification of an actual attack the three key groups in each agency will disperse to their preplanned operating locations. One group will stay in Washington, D.C., one group will disperse to a shelter area like Mt. Weather within a day's drive from Washington, and the third group will head to a secret location. It is assumed by FEMA that at least one of these three key personnel groups from each agency will survive and be able to continue agency operations.

Category B agencies, according to FEMA, are expected to be able to resume operations sometime after a nuclear war. Category C agencies will all but disappear from the Federal government.

As mentioned before, some of the category A agencies have their own sheltering plans and systems. The Federal Reserve Bank is such an agency. Nine of the 12 regional Federal Reserve banks have their own sheltering plans. Such a regional shelter for the Federal Reserve is located in Hutchinson, Kansas. It is buried in an abandoned salt mine 650 feet underground. It will provide food, living accommodations, and a facility to keep the system running for those officials assigned to relocate there. Microfiche files of vital bank records are stored there and updated every day. These local Federal Reserve shelters are in addition to the main Federal Reserve relocation center in Culpeper, Virginia. The Culpeper center, in addition to duplicating the functions of the other centers also has a stockpile of U.S. currency with which it hopes to keep the economy functioning. In 1976 there were more than 700 million individual notes stored in Culpeper.

In current FEMA planning certain key members of Congress are among those slated to receive warning and evacuation in the event of an attack. Among this group of congressional personnel are those directly in the line of succession for the presidency. The 25th amendment to the Constitution established the line of succession to the presidency. It is, in order, vice president, Speaker of the House of Representatives, President Pro Tempore of the Senate, and then the Cabinet secretaries



starting with the Secretary of State, then Treasury, Defense and on down the Cabinet. Besides those from Congress in the line of succession FEMA has made provisions for the leadership of both houses to relocate to shelters. Some congressional members have refused to discuss their emergency plans, but others such as Senator Strom Thurmond confirmed being briefed and taking part in at least one drill. Thurmond said that in the drill he was "taken to a place near the capital where I was told a helicopter would arrive" to take him to the designated shelter area.

Special telephones in the offices of congressional leaders have been installed by FEMA. These phones are tested each week, and it is over them that the word to evacuate will come. Senator Baker says that his phone rings at precisely 10 a.m. every Thursday. Says Baker, "If that phone rings at any other time, we know it's the big message."

The remaining members of Congress, those not on FEMA's evacuation lists, will receive no special warning. Says a director of emergency preparedness in Washington, "we have not really identified members of Congress as critical workers."

State Government—Virtually all the 50 states have contingency plans to assure at least a minimal survival of governmental authority in the event of nuclear war. Since space is limited I have chosen as an example of state preparedness my home state of New York. Information about other states can be had by contacting the head of civil defense in the state capital.

In 1963 after years of construction and a total outlay of over \$3.5 million the New York State Emergency Operating Center was completed. Its construction was inspired by then Governor Nelson Rockefeller. Governor Rockefeller was a strong believer in civil defense throughout his career. It is rumored that in the early 1960s he equipped all the Rockefeller mansions across the country with blast/fallout shelters.

The Emergency Operating Center/Alternate Seat of Government, its full name, is buried under building 22 of the State Campus in Albany New York. Above the EOC lie 100 feet of earth and rock. Resembling in shape a greatly enlarged Quonset hut, the EOC is protected by walls and a ceiling of 6-foot-thick reinforced concrete. The entrance is sealed by

a 7½-ton steel door, similar in construction to a bank vault door.

Within the EOC are accommodations and provisions for almost 750 people. Four large dormitory style areas provide sleeping space for those inside. Three diesel generators, one main and two backup, provide the power for the EOC. A two week supply of food is stored in the EOC. Water for drinking is provided from an underground series of wells which also feed a special decontamination shower system. A fully equipped hospital including provisions for major surgery is also available to those within the EOC. On a more eerie note, there is in the EOC a large walk-in type refrigerator. This refrigerator will be used not to store food, but to store the bodies of those who die while within the shelter.

Those assigned a spot in the EOC include the Governor and staff members totalling about 30, 25 state legislative officials and leaders, various state agency officials and some state judiciary officials. In addition three mimeograph machine operators, four messengers, and a code breaking specialist will provide staff functions for the EOC. Representatives of the State Human Rights Commission, the Office of Mental Hygiene, the Workers Compensation Board, the Commission of Environmental Conservation, the Water-front Commission, and the Salvation Army are also provided for in the EOC. It is interesting to note that the provisions made do not include family members of any of those assigned to the EOC.

The EOC was designed for use in any type of catastrophic occurrence, not limited only to nuclear war. With that in mind the New York State government conducts regular exercises of its civil defense network from the EOC. These exercises are conducted yearly and are code named Operation Eveready.

Corporate Survival Plans—Many of the large national and multi-national corporations have plans for the survival, albeit on a limited scale, of their executives and operations. Corporations are very reluctant for fear of adverse publicity to discuss their plans. What is known, however, is very interesting and can be assumed to apply to a number of the larger corporations.

Shell Oil Co. Inc., in the 1960s issued to selected employees small yellow wallet cards which listed phone numbers that the employees were to call in the event of a catastrophic occurrence, or an ordered evacuation. Presumably upon calling the numbers Shell would be prepared to instruct or evacuate those selected personnel. Indeed for over 20 years Shell Oil maintained a location buried in a mountain in upstate New York where its

(Continued on page 67)

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Digging Out:

Stuck In The Mud

That old sinking feeling need not be the end of an outing . . .

By Ralph Zumbro



Buried to the axle—Now what?

MOST of the time, it's not your four-wheel-drive Jeep that gets stuck; it's the family sedan, loaded with mom and the kids, that goes up to the axle. More than one happy, Sunday outing, or weekend, has been turned into disaster by that old sinking feeling, as the inviting back-road became mush.

The ability to safely traverse rural roads is more than a convenient recreational skill. In case of mass evacuation, due to earthquake, hurricane or tornado threats, the ability to "take to the hills" could become a matter of family survival.

Handled properly, the family chariot will go further from the hardtop than most folks would think, but there are several things which need to be considered before you make that fateful turn.

First and foremost is weight. The surface of even a well-packed dirt road is much softer than blacktop or cement. And the shoulders are not gravel, they're soft dirt! Many times, I've seen a 3,500-pound sedan parked beside a country lane, slowly sinking, as the family forages for wild berries.

If you should find yourself in such a situation, the cure is usually easy. Put the

lightest person behind the wheel, and put the car in gear, but do not apply power. Each of those buried tires is facing a 45-degree slope, and power will get you nowhere but down. Instead, lighten the load, and push till the wheels are out. It's surprising how little muscle is necessary to accomplish this.

If the car is down beyond the sidewalls, it's necessary to dig out and, hopefully, you've got a shovel in your trunk, or can find a board or even a flat rock. The operation consists of digging a long, shallow ramp in front of each tire and, if the soil is moist and slippery, pack some gravel in front of the drive wheels.

In extreme cases, you'll have to jack up each wheel independently. **WARNING:** When jacking the rear, either block the front tires, or have someone keep pressure on the brakes. "Park" and the emergency brake affect only the rear wheels. On a side slope, block *both* sides of *both* rear tires, or the car will pivot on the rear axle and fall off the jack!

Once a wheel is up, work carefully and build a little road under it, using large rocks, bigger than your fist, first, and then coarse gravel to fill in the small spaces.

When all four wheels are sitting on solid ground, get ready to push. Caution the driver: "Make no turns, don't gun it, and don't stop till the vehicle is on firm ground."

The cause of these problems is ground pressure, or the amount of weight in relation to the tire "print" on the earth. An average human, for instance, has a ground pressure of about 13 pounds per square inch, and an Army M-60 tank has eleven. But your sedan may have a 20-pound print, so it's much more likely to break through. If you intend to do much back-roading, you'd do well to think about larger tires.

In the meantime, there is one more quickie emergency method to get you out of soft going, and that is to enlarge the surface area by letting air out of the tires. There are two considerations here. The first is that you must deflate all four tires, so that the rear wheels aren't trying to push hard front tires into soft mud. The second consideration is: Can you pump the tires back up, or will you have to run home on soft tires and maybe ruin them?

While a vehicle's effective weight can be reduced, ground clearance and overhang cannot. The longer the wheelbase is, the higher it must ride, in order to clear obstacles. Our old Plymouth, (we call it the "Woods Wagon") for example, has been jacked up by overload springs to eight inches of ground clearance on a 112-inch wheelbase, and we don't bottom-out too often. The other detrimental feature is overhang. The farther the tail sticks out past the rear wheels, the more likely it is to get hooked, as you plow through some small stream or ditch.

A fairly light sedan, with excellent tires, can go most places you'd sensibly want to take it; but there are some methods of driving which will help keep you out of trouble. The most important thing is that you gain a feel for different types of terrain. If the going is at all iffy, get out and walk it ahead of time, especially if there is water across the road. There may be bottomless ooze, or a six-foot hole, under that innocent looking puddle.

As you drive down a dirt road or forest track, especially if the ground is wet, try to straddle other drivers' ruts. If you "ride

(Continued on page 60)



ABOVE—Taking country roads can lead to unpleasant surprises.



ABOVE—This shows that 150 pounds and 10 feet of leverage can lift one end of a heavy sedan.

RIGHT—In real life, it's hard work, but we *did* get out.



Beretta 92F



The 92F with Bianchi's new military holster.

(Brian A. Felter is president of Defensive Weaponcraft Training and Consulting, Inc., 1818 Taylor Ave., Ft. Washington, MD 20744, which provides training in the art of defensive weapons use and encounter tactics—The editors.)

WHEN faced with a lethal threat, no matter where it occurs, you must be prepared to stop it. Preparation for this, while encompassing many areas, must include the selection of a handgun that can provide you with the ability to stop the threat and regain control of your immediate surroundings.

In combat/survival, handguns, high capacity 9mm semiautos are the wave of the future. Of the many to pick from, Beretta's 92F is one of the best and can greatly improve your survival edge.

Selected by the U.S. military to replace the Colt .45 Government Model, the 92F is rugged and reliable, based on time and battle proven use, with modifications that make it handle exceptionally well.

This realistic combat design did not just appear, but was developed over a 30-year period and six successive Beretta models. As such, its highly modified form has run the gamut from a proven design to a completely refined combat pistol, that was put to the test and won it. Its quality of design and excellent manufacturing process are clearly evident when one inspects, handles and fires the 92F.

Remember, the 92F was designed from

An excellent choice for self-defense applications . . .

By Brian A. Felter

PHOTOS BY D. SCOTT SORRELL



Recoil is minimal.

RIGHT—The 92F field stripped to its major components.

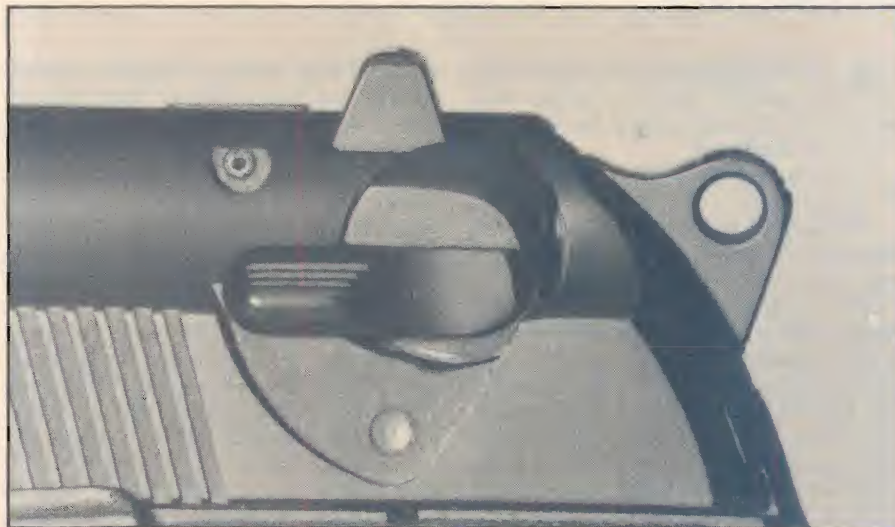




FAR LEFT—Close-up view of the 92F held in the Weaver stance.

LEFT—Held in the ready position to be instantly snapped up into a locked-in two-handed firing stance.

BELOW—The safety lever on the left rear of the slide. Here the lever is in the "Fire" position.



the ground up for military and police service, with tough and rugged applications in mind. It's smooth, flawless reliability, excellent safety features and handling characteristics, combined with its large volume of fire, produce an ideal self-defense tool.

Reliable functioning is the most important requirement for a defensive handgun, as failing to function at the critical moment could result in your death. Make no mistake, if it will not function dependably, it's not worth having! The 92F is noted for its reliability, which is greatly improved by the open-top slide—the cut-away top part of the slide, which exposes the barrel. This opened-up slide allows the ejected cases to readily fly free, as opposed to the Browning closed slide design, with a small "ejection port" the cases must fit through. The open-top slide not only dramatically decreases jamming, but allows instantaneous access to the chamber area.

The 92F is a double-action, double-stacked (named for the double stacks, or rows, of ammo in the magazine) 9mm auto. When carried with safety "OFF," the auto functions just like a revolver . . . snap-up into a firing position and just pull the trigger for the first shot in the double-action mode (the trigger both cocking and dropping hammer). As soon as the auto fires the first shot, the remaining shots will be fired in the single-action mode (the hammer automatically being cocked by the action of the slide). When finished firing, press the safety "ON" to safely lower the hammer. The felt recoil of 9mm ammo is very light and easily controlled, especially when locked-into a two-handed firing stance, which is the "bread-and-butter" of defensive handgun use.

The extra in-the-gun rounds, with the ability to quickly reload an equally large number of rounds, can be vital to your survival during an encounter. The 92F's double-stacked magazine holds 15 rounds (the 5th, 10th, and 15th rounds being indicated by holes on the back surface of the magazine). With a round chambered, total rounds in the 92F are 16. With one extra magazine of 15 rounds, you have a total of 31 rounds available—with only one reload. If confronted by more than one suspect or the lethal encounter becomes drawn-out beyond the initial exchange of rounds, you now have the ability to continue the fight. It's true that the average gun fight is over

very quickly, expending a minimum number of rounds, but what if your encounter is not the average? . . . Then you may be in real trouble and fighting a losing battle. The extra in-the-gun rounds also reduce the chances of needing to reload in the first place. Also, a 20-round magazine is available that not only adds five extra rounds, but provides an extended support area for an improved grip when using the Weaver Stance.

Another excellent feature, the 92F is not burdened with a "magazine disconnect" that keeps the pistol from firing when the magazine is removed. A pistol must be capable of firing if the magazine should become damaged, lost, is not seated properly, or during the magazine exchange when reloading.

Improved Handling Characteristics—

Three modifications to the 92F (from the 92SB), combine to produce an excellent gripping surface for the "master grip." These modifications are: the curved-out bottom of the grip, the enlarged magazine "shoe," and the squared-off/contoured trigger guard.

The "curved-out bottom of the grip" and "enlarged magazine shoe" (fitting together smoothly), positively aid the strong hand in its grip on the auto.

The squared-off/contoured front of the trigger guard forms a forward facing "hook" with latitudinal serrations on its front. It functions as a location for the index finger of the weak hand in a two-handed grip. While some use it, others do not. If you use it, this is a very nicely done

"hook."

Also, the curved-out bottom of the grip encloses the front part of the magazine well opening, which has been beveled to allow easier insertion of the magazine. The beveling creates larger opening to initially start the magazine into the well. This reduces fumbling and increases speed when inserting the magazine.

The 92F comes with an excellent set of fixed sights which are a must on any defensive handgun. The sights are strong, easy to pick-up and have a "dot and bar" system to aid aligning. The front sight is an integral part of the slide, being milled from it. This avoids possible front sight loss often encountered with conventional front sight mounting. The rear sight is set in a dovetail cut into the top of the slide and is only adjustable for windage by drifting it in the dovetail.

The square post front sight and square notch rear sight are easy to pick-up, with the proper amount of side light. Also a good balance between sight height and sight picture produces a proper "low sight profile" that is snag free yet quick to pick-up. The real surprise is when the sights are held under a light and then the lights are turned-off. The "dot and bar" system turns into a very effective low light sighting device, as the fluorescent dot and bar emits a low greenish-yellow light making sighting in low light situations quick and easy.

A slight modification to the square notch of the rear sight will improve viewing the front sight. With a very small square

(Continued on page 70)

Biblical Food:

Matzoh

It'll keep for years . . .

By J. Lincoln Thorner

AND the Egyptians were urgent upon the people, that they might send them out of the land in haste; for they said, We be all dead men.

"And the people took their dough before it was leavened . . ." Exodus 12:33, 34.

"Unleavened bread shall be eaten seven days; and there shall no leavened bread be seen with thee . . ." Exodus 13:7.

The unleavened bread that kept the Hebrew nation alive thousands of years ago is still available, and is still one of the most useful and practical survival foods you can get. Matzoh (which rhymes with "lotsa," as in "lotsa luck") is an unleavened bread that is prepared today much as it was thousands of years ago in ancient Egypt. It is used in Jewish holiday meals and as a snack by Jews and gentiles around many parts of the country.

Matzoh comes in corrugated cracker-like sheets, about 6 1/2 x 6 1/2 inches (16 x 16 cm), and about 1/8-inch (4 mm) thick. It is packaged in wax-paper sealed boxes of one-pound (454 gm) and unlike the leavened bread we are all familiar with is compact, easily stored or transported, and unlike common crackers can be stored *unchanged in quality or taste for years!* My observations have been that these one-pound boxes are usually closer to 19 ounces (539 gm) in weight. They come with 15 matzohs of a bit more than an ounce (30 gm) each.

Bread and bread products are an important part of any nutritional plan. Bread is difficult to store as is, so many survivalists store its main ingredient, flour. The main problem with flour is that it cannot be eaten without mixing and cooking. For compactness and cost flour can't be beat, but if water is short or ovens are difficult to come by or imprudent to use at the moment, flour isn't much help.

Matzoh, on the other hand, can be eaten and enjoyed in its present form, or ground up and used for most of the things that you would use flour for and much, much more. There are literally hundreds of recipes for foods made from matzoh or matzoh meal (ground up matzoh). Matzoh, whole, makes a delicious snack or even a meal when spread with cheese or some fat product such as butter, margarine, or some kinds of rendered animal fat. Chicken fat has long been a favorite. I personally prefer butter and cream cheese with a little salt. For the kids, butter or margarine

sprinkled with sugar is a big hit. Ground coarsely and mixed with hot water and/or milk it makes a good hot cereal, ground more finely it makes really outstanding chicken breading or a true classic of Jewish cuisine, matzoh balls. These are fluffy white dumplings that go great in chicken soup. Really wonderful stuff! These are only two of the hundred things you can do with matzoh meal.

Matzoh is bread you can store, and flour you can eat. One of the nice things about matzoh is that it can become a normal part of your diet. Unlike other "survival" foods it is neither strange in taste or composition nor super expensive. I have a lot of problems paying enough for a bag of freeze-dried something-or-other to buy a nice meal at a restaurant. Although the stuff will keep for years, it's always a good idea to be able to rotate your stock. With matzoh that's not a big problem. You may have to acquire a taste for it. It is not unpleasant, but it does not taste like the kind of saltine crackers you may be used to. It tastes a bit plainer, more subtle a wheat flavor, and its texture is more substantial than crackers, perhaps a bit more chewy.

One morning I had a dish called matzoh brei for breakfast. You beat a couple of eggs in a bowl and add a piece of matzoh crumbled into an inch or two square segments (size or shape of the pieces is unimportant). Mix 'em together and fry, keeping the whole thing in more or less one piece, like fried eggs. It should brown just a bit, you'll find the inside still moist, and serve it hot. Adults are supposed to prefer it with salt and pepper, but I like it the way kids do, with sugar or syrup on it. It is way more substantial than french toast, and doesn't wilt under syrup. Works fine with powdered eggs too.

As I mentioned, among the hundreds of recipes using matzoh or matzoh meal, the most famous is for matzoh balls. Start with two tablespoons of fat (what type is not critical, oil is fine, too) and mix together with two eggs, or the powdered equivalent. Add half a cup of matzoh meal and one teaspoon of salt. When this mess is mixed in real well, add two tablespoons of water or soup stock. Let this covered bowl sit in a refrigerator, or a cool spot for about half an hour. Bring some salted water to a boil, two or three quarts is sufficient, reduce heat so that it bubbles a bit and drop in balls formed from the mix, a couple of

inches in diameter. Let them cook in a covered pot for a half to three-quarters of an hour. You can store these balls for a while or pop 'em right into soup. If water is in short supply, the water you cooked the matzoh balls in can be re-used to boil meat or vegetables in as soup. By the way, you should get six to 10 balls out of the mix in this recipe, depending on how big you make them.

I am not going to give you all my favorite matzoh recipes. Pre-ground matzoh meal is available from the same companies that make matzoh. But, using the principal that it is better to have something around that can be eaten and enjoyed, as-is, it is best to buy whole matzoh. Some of the companies that bake matzoh and matzoh products are Manischewitz, Streits, and Goodman (the noodle people). There are others, as well, and one is pretty much as good as another. These companies usually have cookbooks available for little or nothing giving you a variety of unusual and commonplace uses for matzoh. You can make cake, pancakes, stuffing, meat or vegetable breading, and a whole bunch more. Local Jewish women's groups often publish interesting cookbooks, and many cookbooks with matzoh recipes can be found in the larger chains of bookstores around the country. Frankly, if you want to keep it simple and cheap, write to the addresses given on the boxes of matzoh.

Where To Get It—"All this is well and good," you might ask, "but where do I find Moses' favorite snack these days?" In the big cities where there are large Jewish communities matzoh can be found in most supermarkets. There is a lot of strange stuff in supermarkets that you don't notice if you're not looking for it. It may be in the gourmet or foreign section, or there may be an area set aside for typically Jewish foods. There are Jewish communities in towns all across America, so look in your local market, you might find it there. Ask the manager if he has Jewish food . . . if he looks puzzled mention kosher, or just ask for matzoh. Heck, they've got plenty of matzoh in Minot, North Dakota, maybe they'll have it in your town. The bigger cities are your best bet though.

The price of a pound box of matzoh varies between about 90 cents and \$1.25. Matzoh meal costs about the same, per pound, if you choose to buy it in this form, as well. I think that you will find that the prices vary from place to place and from brand to brand. Buy the cheapest, as I said: "one is about the same as another" and freshness is not a concern. It is also available, at times, with five boxes packed together in a large, airtight, plastic wrapper. Double the protection. By the way, if your matzoh does get a little damp (it gets a bit flexible and more chewy) a few minutes in an oven crisps it right up, good as new.

There is a secret to getting a really good



Matzoh, "Moses' Bread" as it looks today.



Cake meal, cereal, meal—Although sold for a variety of dishes, all these products are made from crushed matzoh.



Around Easter and Passover some stores in Jewish neighborhoods are piled high with matzoh, which is usually marked down in price after these holidays.

bargain on matzoh. Because of its origins in the Exodus of the Israelites from Egypt in bible times, it is used as part of the ritual celebration of the Hebrew's liberation from slavery under the Pharaoh of Egypt. This holiday is called Passover (because the Lord "passed over" the homes of the Hebrews when he smote the first-born of Egypt) and occurs about the same time of year as Easter. Each year matzoh is prepared for that year's celebration, and is used only for that year's holiday. The rules of the Jewish religion do not

permit it to be used for the next year's Passover. Aside from its religious significance, a year's Passover matzoh is identical to matzoh baked at any other time of year, and for any other Passover. Once the holiday is over in a particular year, that year's Passover matzoh that is left over is usually sold at a fraction of the normal price. Even at normal prices matzoh is a bargain in survival food, but surplus Passover matzoh often costs no more than 40 to 60 cents per pound box, that is, no more than regular perishable bread. Since it

keeps almost indefinitely, if you can catch one of these sales you can stock up for a store set to last for years.

The "bread of haste" baked without the time to leaven sustained the Hebrew people through the long struggle to freedom and safety. One day you too may find that matzoh, the unleavened bread of the Exodus, will help sustain you through an emergency of man-made oppression, like war, or an act of God, like a flood, earthquake, or blizzard. ●

Survive With Kits

(Continued from page 7)

replace snaps with velcro fasteners that are quiet and more secure. I avoid hoods, even removable hoods on parkas and replace them with wool or poly watch caps with Gore-Tex waterproof inserts. Hoods reduce hearing levels—like many survivalists my hearing is damaged from gunfire noises—and many do not turn with the head.

Pockets represent another area of choice. I sew a waterproof turn-under pocket onto the back hem of parkas. The inside top unfastens so the parka drops to form a dry seat. I sew shell loops inside cargo pockets and on the breast of my jacket and add a no-slip shoulder pad. Velcro strips that hold handwarmer pockets shut keep pockets dry and reduce snagging. Soft, nap fabric insulating pocket inserts help keep hands warm.

The main problems with sewn kits involve thread selection—sometimes you need to change thickness—and stitch spacing and tension. Practice on scraps so stitches neither cut nor bunch the material and you avoid problems. Avoid dark blue or green and you can eliminate eyestrain.

Electronics—Heath Company offers more than 100 CB and SSB radios, a programmable robot, computers, stereos, speakers, depth finders and a host of other items. Basic soldering skills are required, but easy to learn with a practice package if needed. Regional Heath Co. retail centers offer a troubleshooting service for a reasonable fee if you have a problem.

I find an electronics temperature gauge a great help when fishing and a graph depth finder a must for safe boating in



ABOVE—Hanging solar collectors for a domestic hot water system.

ABOVE RIGHT—An assortment of kit musical instruments.

RIGHT—Completed, and successfully used, lures.



unknown waters. You can also buy electronic intruder alarm systems that kit together reasonably easily. Those with wireless sensors remain the choice to avoid complex wiring. Kit versions of infrared, pressure mats and other options easily attach to such systems.

The computer literate will find programs that utilize various add-on alarms to home computers. These are outside my experience and, with the problems I have with my three computers now, I'd hesitate to rely on too much automation in this area.

Fishing—Many rod manufacturers offer kit versions of their ready-made rods. Try the latter in tackle shops and you know what to expect. As a rule you need one evening to build a rod grip; one evening to wrap on guides, and two half-hour periods to complete the job.

Even greater savings come from lure-making kits offered by Worth and others. Spinners and trolling blades, spoons, sinker and jig molds, plug bodies and popper or fly tie kits all save 70 percent or more.

Weapons—The most important "kits" in the weapons field remain reloading kits. Given the number of options on today's market this area deserves a complete article. However, you can't go wrong with a simple shotgun reloading kit complete with adjustable charge bars and a basic metallic cartridge reloader from a name manufacturer such as MEC. Just make sure you buy a complete set or more of parts such as wad fingers that need replacement.

While you can find "kit" add-ons for

conventional weapons, survivalists realize the advantages of renewable black powder. If you do plan to enjoy primitive hunts now pay careful attention to caliber, ignition type and barrel length regulations that vary from state to state. Otherwise go with percussion caps that ignite more often than flints. Stash Pyrodox too. It fouls less and keeps better than black powder that requires careful storage well away from your home.

Given the choice, Hawkins and other shorter barreled weapons in .45 to .50 caliber work well. For all around use, it's difficult to fault a double-barreled 12-gauge shotgun you can load with anything from bird shot to ball. Smoothbores aren't as inaccurate as some think out to 50 yards or so.

Assembly isn't difficult. One year when I needed a Hawkins in a hurry I got a kit ready to shoot the next day, shot a deer at a special hunt, then spent a couple of weeks redoing the job. Prefitted metal parts need filing; wood gets sandpapered. Then metal parts get a browned dull finish and wood can be oiled or varnished.



Kit clothing offers custom features such as underarm vents and removable sleeves.



Pocket knife kits.

Expect to spend 10 to 30 hours for a decent result; more if you are picky.

Knives deserve a complete article. Some survivalists flaunt 12-inch blades. I still own my Randall, but find a sheath knife with a quality four-inch blade and a small pocket folder useful. All agree that the majority of users would find more control if they opted for a smaller blade. It also seems clear that many stainless steels lack the fine edge of carbon steels.

In shapes a four- or five-inch drop point sans blood grooves and other decorative oddments works nicely for all game skinning and boning. A four-inch fillet or boning knife helps here too. Do pay attention to the handle shape that should be comfortable so it does not slip even if slippery with sweat or blood.

Garden, Greenhouse—Firms such as Heath and Heald offer garden cultivator and even snowblower kits. Some let you switch motors from blower to cultivator seasonally. You can also find a variety of greenhouse kits that let you grow vegetables year-round. Glass and plastic weatherproofing and metal, wood or plastic frames seem usual. I prefer wood frames to metal as wood seems easier to fix. Glass would be more easily replaced than plastics too. One thing seems certain, no greenhouse is ever large enough after a

couple of seasons so consider a large model. Models with self-venting systems repay their increased cost with improved efficiency.

Some lean-to greenhouses act as solar collectors to help heat your home. All function more efficiently with the addition of solar mass, such as water filled drums or special panels which heat during the day and release heat gradually at night.

Heat, Power, Water—Wood seems an ideal fuel for survivalists who find kits that convert 55-gallon drums into inexpensive, if rather inefficient stoves a decent investment. More expensive wood stove kits that include special hot water generating inserts offer an excellent alternative or complement to solar hot water heating systems.

Low flow hydroelectric generator kits work well with modest flows. Photovoltaic roof panels seem less cost effective in all but desert areas due to high cost per watt. In windy areas a host of windmills can generate power as well as pump water. Diesel powered generators are doubtless the most efficient option if rather noisy.

Water remains the basic survival need. Even where power pumps work, a hand pump backup kit seems worthwhile. Ram-type pumps can also push considerable amounts of water uphill in many situations. Time-honored windmill kits fill ponds for stock too. Solar water heating panels also work. Thermosiphon types or closed Freon systems require minimal piping.

Transport—You can buy all sorts of two-, three- and four-wheel ATVs from Heald. Scamp makes a steel body World War 2 replica jeep. At least 100 other vehicles are available. My personal preference are the Heald Hauler, a four-wheel mini dump truck powered by a light, easy

to fix, 16 H.P. Briggs and Stratton engine and the various Heald two- and three-wheel motorcycles. None looks slick; all are well-engineered, easy to assemble and quite durable.

Other vehicles run mostly to replicas of sportscars past—hardly suited to offroad use. If you have copious electricity you might consider electric kit cars much like golf carts that are much quieter than gas powered vehicles.

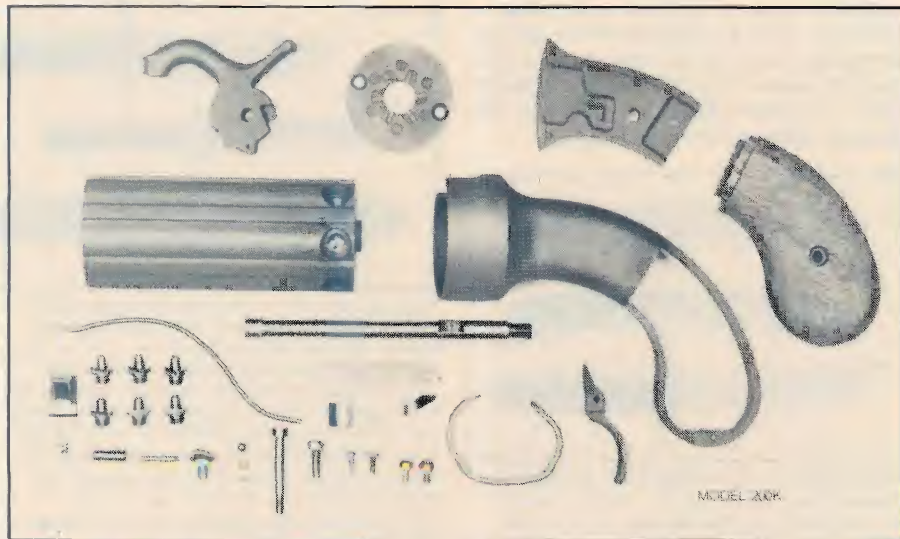
If you own a small car or want an inconspicuous trailer the Burro Trailer Kit, a very compact mini travel trailer that comes with assembled shell might suit. You can also find a Struck mini tracked dozer with all sorts of front loading attachments.

Aircraft—Hang gliders, ultralights and a flock of special purpose aircraft are available in kits. Most require specialized riveting, welding and other mechanical skills. So unless you already have a pilot's license, a few thousand dollars and a few hundred hours and the desire to be your own mechanic, engineer and test pilot check this area carefully before you invest and make certain you talk to satisfied buyers.

Boats—Canoes, skiffs and prams get you across a stream or lake to excellent hunting and fishing out of range of the shore bound. Besides, you can't beat an island for survival! Some builders even opt for Glenn-L Marine or Lugal sail and powered ocean-going kit craft capable of ocean trips.

Build a pram first. Then consider larger projects. Kits with prebuilt fiberglass hulls assemble fastest. Wooden hulls have obvious advantages of easy repair with hand tools and replacement materials. One system, sold by Country Ways in the U.S., uses a combination of copper lacing and fiberglass tape to assemble marine plywood hulls. Except for fiberglassing or welding steel hulls which require special skills and the use of a well-ventilated area, kit boat construction isn't that difficult. An extra pair of hands to assemble larger pieces comes in handy. Building larger craft in a yard where you can hire tricky jobs done remains the best approach.

Odds & Ends—Of course these are only a few of the many survivalist kits on the market. You can buy log cabins, geodesic dome and earth shelter building kits. You can assemble furniture, food dehydrators and smokers and a host of others. If you need a kit for a special purpose and can not find it in the listings you have seen, enclose a stamped and self-addressed envelope and your request to Lou Bignami, 14201 Lodgepole Dr., Penn Valley, CA 95946 and I will send you a source if I know one. ●



Ethan Allen Pistol kit.

Robert Parrish:

RP Survival Knives

Down-to-earth, hard-working tools . . .

By Douglas C. Berner



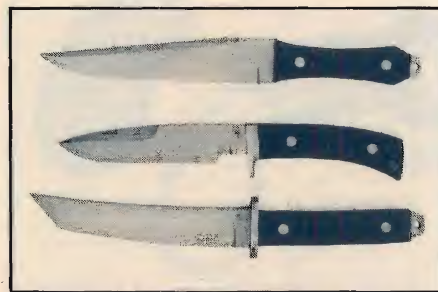
ABOVE—Custom knives by Robert Parrish with his standard 8-inch blade "Survival-Combat" model in the center.

IN this uncertain world of gimmicks, gadgets, copies, fakes, and false promises, there is an honest, down-to-earth, hard-working survival knife that has earned both my respect and unreserved confidence. I am referring to the custom "Survival-Combat" knife by Robert Parrish of RP Knives in Hendersonville, North Carolina.

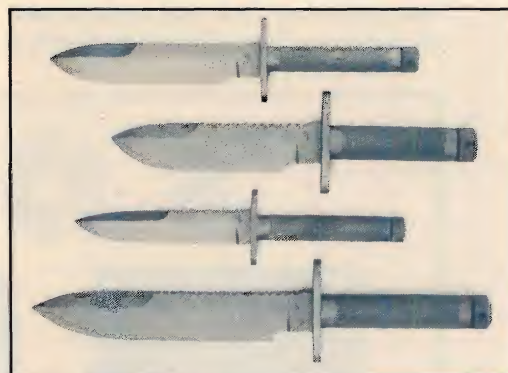
At first glance, the knife appears to be simple, effective, and professional. Tripple rows of saw teeth, grouped in a low profiled diamond pattern, crest the back of the stainless steel blade like small armored scales. These teeth cut metal, wood, plastic, ice, and cable. They cut clean and they do not snag.

The blade is a modified spear point which sweeps strong and sharp with both upper and lower cutting edges. It is flat ground and hardened to 58-59 on the Rockwell C hardness scale. The knife is

superb as either a weapon for thrusting or slashing, or as a utility blade for slicing, chopping, and close-in work. At 13 inches and 20 ounces, Parrish's standard model with an 8-inch blade is hefty, but the balance must be felt to be believed.



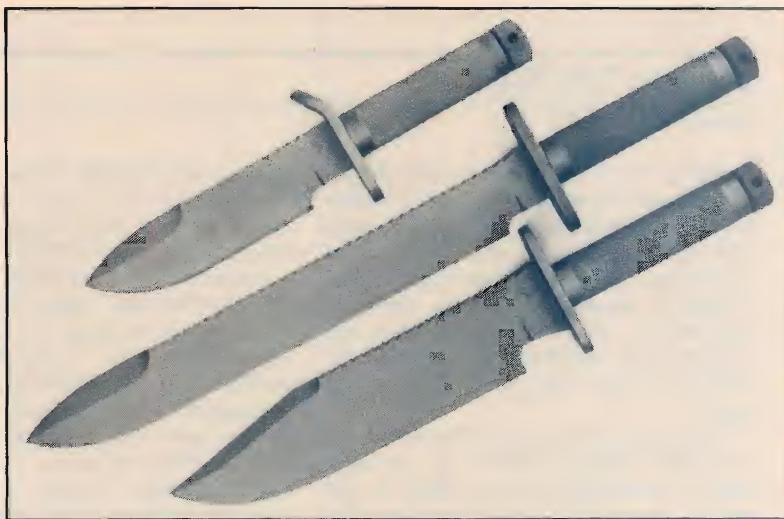
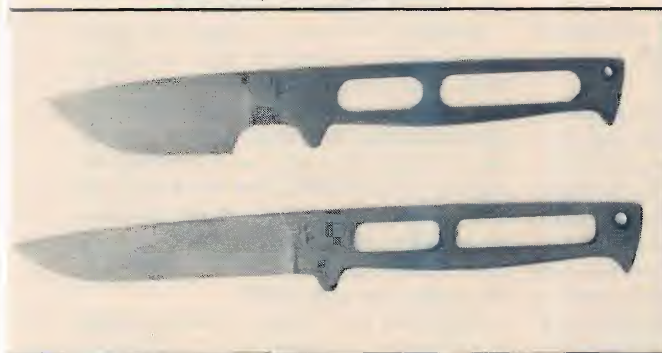
Fighting knives with handle slabs formed from black micarta. From top, the "Indian Bowie," 12 inches overall; "Massassauga," 11 inches overall; and "Tanto," 12 1/2 inches overall.



The standard line of RP Survival knives with blades of 440C stainless steel, from top, the 6-inch "Survival-Combat" with 1/4- by 1 1/4- by 6-inch blade weighing about 10 ounces and 10 1/2 inches overall; the "Sunfish" with 1/4- by 1 1/2- by 6-inch blade weighing about 16 ounces and 10 7/8 inches overall; the "Model 36" with 1/4- by 1- by 5-inch blade (without sawteeth) weighing about 8 ounces and 9 1/2 inches overall; and the 8-inch "Survival-Combat" with 1/4- by 1 1/2- by 8-inch blade weighing about 20 ounces and 13 inches overall.

RIGHT—Custom variations of RP survival knives made at customers' requests.

BELOW—RP utility models. From top, "Lightweight Skinner" with 2 1/2-inch blade, 7 inches overall; "Lightweight Hunter" with 3 3/8-inch blade, 7 5/8-inches overall.



A dominant choil (finger cutout) fronts a large double guard. The blade and guard are securely fastened to a tubular handle. This junction between a blade and a hollow handle is a problem area on many of the survival knives that are on the market. Parrish's mortised and threaded system of locking the blade to a hollow handle is as solid and strong as any known method.

The stainless steel hollow handle is knurled for an excellent grip. It is capped with a finely threaded stainless steel butt cap and sealed with a rubber O-ring. Both

the butt cap and the guard are drilled for tiedown or wrist cords. RP survival knives come with either a heavy duty leather or a tactical black nylon sheath.

The "Survival-Combat" knife was not created to look good as the co-star of a movie. It was designed with the full intention of being used as a primary tool or defensive weapon in the field environment. Robert Parrish is a custom knifemaker who offers several standard versions of his survival knife ranging from 9 1/2 inches to 13 inches in overall length. He also accepts custom orders and makes many different

types of knives. As a result, almost anyone, regardless of size or sex, can find an RP survival knife suitable for their own particular needs.

The RP "Survival-Combat" knife does what it was designed to do. It will meet most practical or realistic demands you would require of it. Anyway you cut it, an RP survival knife is an insurance policy.

For additional information about Robert Parrish's line of custom survival knives, contact RP Knives, Dept. ASG, 1922 Spartanburg Hwy., Hendersonville, NC 28739. ●

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Stuck In The Mud

(Continued from page 50)

the rails," as we call it, there's less chance of sinking into the mire. Previous travelers have already broken the surface, and what you need is new soil that hasn't been churned up. Also, keep your speed down. Changing momentum, as in braking, accelerating, or even changing gears, will break traction, breaking the surface you're rolling on—and then you're on your way down.

Regardless of what the adherents of the stick shift "Machomobiles" say, an automatic transmission is at home in the woods, because its fluid power transfer allows smoother changes of momentum. In order to do what a slushbox does, a stick shift has to wear out clutches. It is possible to put power on with an automatic, and leave 20 horses on wheels that aren't turning, while someone else pushes. (I don't recommend it, but I have singlehanded myself out of a hole, pushing on the door frame and popping the accelerator with a stick).

Going Lightly—The biggest single technique of off-road and soft-road driving, is to go lightly. You are not on concrete, and sudden power changes and quick brakings will put you in up to the fenders. When you feel traction slipping when the wheels are still turning, but the car is slowing down, get off the pedal and let the wheels coast for a few seconds until they're rolling again, not spinning. Then, you can gently apply a little power and ease out of there. When you see a soft place coming up ahead, pick up a bit of speed and try to

almost coast through. If you have to turn, don't make sharp corners; use the largest radius you can, even if you have to cross the road or ride up a bank.

Another thing that's easier with an automatic is "rocking" where you've sunk in, and the tires are each in a personal hole. The method, here, is to shift slowly back and forth from forward to reverse, trying to lengthen the rut you're in to the point that you can make a fast run and bounce out of the end. When doing this, it's important to keep the wheels straight. A turned front wheel can build up a mound of dirt in front of it, and actually increase the resistance, causing the powered wheels to sink in even further.

Once you've rocked out a runway five or six feet long, get out and dig the curved ends of the troughs; then stop and think a minute. The dirt behind you is firmer than it is ahead, or you wouldn't have gotten this far. Most times, it's easier to get out backwards and find another route.

How you start and stop the vehicle has quite a lot of bearing on whether you get mired or not. Many are the times I've seen a "city feller" who, gliding smoothly along, saw something of interest, and tapped his power brakes, which immediately jammed all four wheels and broke that, oh-so-delicate surface.

Getting underway can also cause problems. I normally put the brakes on before getting out of park, and don't ease up until the engine has smoothed out. Just think what the "thud" of a 350-cubic-inch engine will do to the grip of the rear wheels

when you're parked at the beach.

Speaking of water, sooner or later, you're going to have to ford a swollen creek, and probably the biggest danger is that of back pressure swamping the muffler and killing the engine. A good trick for this is to keep the power on by revving the engine, but controlling the speed with the brakes. This keeps the exhaust pressure up, and the speed down. It also helps keep those wet drums and discs warm, so that the brakes can stay useful.

While you don't want to add too much weight to the car, there are a few things to carry along, which will get you out of most sticky situations. In summer, when you're likely (in many parts of the country), to get into soft mud, a sack of gravel to pour under the tires will help. In winter, a mixture of sand and wood ashes will work better than sand alone. The ashes get imbedded in the rubber and improve traction, temporarily. We've already mentioned such items as a shovel and jack, but a pair of five-foot lengths of 2x8 will allow you to bridge many gaps. They won't take up much room, and they'll pay their freight the first time they're used. A word of advice: Keep your feet out of the way of the boards! (One winter, I spent six weeks on crutches because of that mistake.)

If you normally use road tires in the summertime, carry one of your snow tires for a spare; it may get you out of a hole. When you break traction, usually one of the wheels is spinning, and because of the way the differential is constructed, it's probably going to be the right rear. So just lift the offending wheel out of the goop, put the spare on that hub, and it'll waltz you right out of there—we hope.

Another handy emergency item is a pair of sections of carpet that have had lengths of rope laced to them. The idea is to put the carpet under the tires, and lash the rope to a rock or tree, creating a short section of road. Speaking of rope, if it is necessary to have someone pull you out, a long length of line will allow your rescuer to keep his vehicle out of soft-going.

Due to the light weight of many modern cars, it is possible for one person to physically lift the rear end out of the mud and move it over. The trick to this maneuver is simple leverage. If I have a 12-foot pole, cut down with a hatchet, and a fulcrum one foot from the rear bumper, I can put my 150 pounds, times 11 feet of leverage under the bumper. That's 1,650 pounds of lift; and if I can raise the rear end far enough, I can just move it over and let it drop on solid ground. Or I can sit on the pole while my wife heaves rocks under the rear wheels.

With a little preparation and some practice, the old sinking feeling need not be the end of an outing, but only a bump on the way to a fondly remembered weekend.



Ride the rails, not someone else's ruts. The guy who came before you may have had a four-wheel drive.

Hard Hitting:

Mega Dart Guns

Powerful, quiet weapons for hunting, target practice, pest control . . .

Staff Evaluation



A shooter tries the MX-7 with shoulder stock.

THE MEGA DART MX-5 Power Dart Gun is a compact version of the MX-7 Dart Gun which was reviewed by the ASG staff in the February 1986 issue.

Both weapons are powerful and quiet and fire a variety of .40 caliber darts, including target marker paint darts. The MX-7 flings its projectiles at up to 720 feet per second, while the MX-5, with its shorter barrel and less powerful chamber

fires darts at somewhat slower but still effective speeds.

These guns are made of metal and high impact plastic and each comes in either black plastic and silver metal or camouflage metal finish.

Operation is simple and the same for both weapons. The bolt safety, which opens and closes on either side of the gun making it comfortable to use for right- or

left-handed shooters, is unlocked, opened and drawn back. A dart is inserted point first into the chamber and then the bolt is closed and locked by moving the handle down on either side of the gun. The power handle is then drawn back as far as it will go until it locks with a clicking sound. The gun is then aimed and fired by squeezing the trigger.

As with the MX-7, the MX-5 is a bit difficult to control in shooting due to the power handle slamming forward when the trigger is pulled. But with care and practice, a shooting technique with these weapons can be developed so that the shooter obtains the best possible accuracy. A sight tube with adjustments for windage and elevation is located above the chamber. We found we had the best accuracy with the pistol at ranges within 25 or 30 feet, but the darts will travel much farther and longer range, accurate shots are possible. Best accuracy with the MX-7 was judged by testers to be within about 35 yards.

These guns are not toys. You must be 18 or older to purchase one. The darts available give shooters a choice of target, hunting or pest control use. The long wire darts are not sold in California. These have been found to penetrate body armor made of ballistic nylon.

We believe these guns could be effective for all purposes named above when used within their limitations. Pinpoint accuracy is not generally possible with these weapons, especially at longer ranges. But the darts are fired with considerable force and can be lethal, so always make sure you have a safe backstop when using them.

The Mega Dart MX-7 Power Dart Gun with shoulder stock is available for \$79.95 plus \$4 S&H and the MX-5 Pistol is available for \$59.95 plus \$3.50 S&H from Johnny Mac's Factory Outlet, P.O. Box 370808-SG, El Paso, TX 79935. For Visa or Mastercard orders call toll free (800) 351-2274. ●



The Mega Dart MX-7 Power Dart Gun, top, and MX-5 Pistol are shown with some of the darts available for them and with the MX-7 shoulder stock.



The MX-5 Pistol, while less powerful than the MX-7, is easier to wield and still quite effective at closer ranges.

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Allergy Warfare

(Continued from page 15)

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somewhat expensive, uncomfortable and occasionally risky business.

In the past, diagnostic allergy testing was performed by an allergist. There are about 2,000 of these specialists nationwide. You pay handsomely for their service. But cash is only half the price: discomfort, sometimes pain, and risk may be part of the "bargain." The traditional test consists of multiple needle pricks along your forearm and back. In my case, I had 64 little pricks, some big pricks, and several scrapes and scratches. No sweat really, never cried once. But the results were devastating. Turned out I was allergic to my dog, Gypsy. There I was trapped: a damned-if-I-do, damned-if-I-don't situation. Of course, I couldn't let Gypsy go. Never! But the doctor said something had to be done. So I begged my wife to solve the problem. She considered all the options, and decided I could continue sleeping in the doghouse, since I was used to it—having spent several Saturday nights there. Gypsy stayed in the bedroom.

Now, c'mon! Would I take you this far without some good news. You guessed it. There is an all new way to test for allergies. It's quick, easy and less expensive. Any physician can do it. Instead of treating you like a pin cushion, pricking you with needles a 100 times or more, now your family physician can simply draw a little blood, send you home and call you sometime later to inform you of the results. It is all over in five minutes.

This new allergy test is produced by MAST Immunoseystems. It has been cleared by the FDA. The test has fewer variables than skin prick testing. It is extremely accurate. And you can be tested for 150 allergens in one visit. Best of all, you are at no risk of shock, since you never come in contact with the allergens during the test.

For more information on allergy testing call toll free: in California (800) 272-6278; outside California (800) 233-6278. •

America Dismembered

(Continued from page 46)

for numerous acts of violence including bombings, murders, hostage incidents, and ambush attacks on police and federal officers.

AIM has many contacts with international terrorist groups such as the Palestine Liberation Organization and the Irish Republican Army. It also has links with domestic terrorists, including the Weather Underground, New World Liberation Front, and the violent Iranian Student's Organization. The Symbionese Liberation Army designated AIM as one of the groups to distribute food to Oakland's poor in the effort to ransom Patty Hearst.

Currently, AIM is actively recruiting new members, and law enforcement intelligence reports indicate that AIM activists have travelled to Nicaragua and Lebanon for terrorist training.

Like the other territorial terrorists, AIM hopes to contribute to the dismemberment of America through the establishment of Marxist-Leninist Indian enclaves based on the boundaries of the original Indian nations before they were forced onto reservations by the U.S. Army.

It is inconceivable that the tens of millions of Americans living in the "Mexican conquered territories" would allow a transfer of their homes, farms, and heritage to socialist Mexican revolutionaries, even if the U.S. government, for some bizarre reason, caved in to the dictates of the MLN. Many of the Chicanos in the United States are refugees from the political and economic turmoil south of the border and might be the first to rebel against a reunification effort.

An even wilder scenario would be the creation of an all-black Republic of New Afrika which, undoubtedly, would be Marxist-Leninist. A separate black republic would certainly be violently resisted by even moderate whites, not to mention the majority of blacks who identify with the United States as their national homeland.

Puerto Ricans, in election after election, have opted to retain their Commonwealth status with the United States. The pro-independence parties are lucky if they can garner five percent the island's total vote.

American Indians, by and large, would be satisfied if adjustments were made in existing treaties. They might be delighted if the U.S. government simply honored previous treaties in the same manner it honors treaties with other sovereign nations, which the Indian tribes were when the treaties were made.

It is to the geopolitical advantage of the Soviet Union, Cuba, and the entire Marxist-Leninist system to keep the territorial separatism pot boiling and the issues before the United Nations and the Third World. ●



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Small Unit Tactics

(Continued from page 27)

supply and transport requirements. There will be no support services so supplies will amount to what each man can carry on his back. Supply caches of food, water, medicine and ammunition should be maintained within the anticipated operational area of each unit.

Tactics—I will cover three basics, namely march, offensive and defensive tactics.

MARCH TACTICS—Used in approach to contact the enemy, to withdraw from the enemy or merely ranging over an area as a screening force.

Think of infantry war as a T. You move in a column and fight on a line. Move in a column of twos with each man five yards behind the other and each column five to 10 yards apart from the other. Spacing will vary depending on the terrain and the time of day. In jungles, dense woods or in night-time operations, spacing could be as close as one yard. In open country in daylight, spacing could be five to 10 yards or even beyond but, the greater the spacing the harder it is to control your men.

A platoon on the march should use advance, flank and rear guards to protect the main force. An independently operating squad lacks the manpower for such guards; instead lead men watch the front, center men the flanks and rear men the rear. Never permit straggling during a march. The men must be trained to keep a moderate pace and with 10-minute rest periods every hour, they should be able to march at least 10 hours a day. During night encampments guards must be posted for protection. Guards should not stand or walk their posts as this makes them easy targets for infiltrators. Instead they should sit in locations offering maximum cover and concealment as well as a good overall field of vision. Rotate guards every two hours to minimize their tendency to fall asleep from fatigue.

If contact with the enemy is made during a march the unit leader must decide on one of three courses of action: WITHDRAW, ATTACK OR DEFEND.

OFFENSIVE TACTICS—The rifle squad attacks using fire and movement or fire and maneuver. One fire team becomes a base-of-fire and remains in place while the other team moves directly forward (movement) or attacks from the flank (maneuver). In movement the fire teams take turns as fire-base and moving elements. After moving forward Team B stops and becomes the fixed base-of-fire while Team A moves up and then past them.

The men move forward either by crawling or in short rushes depending on the volume of enemy fire. "Leapfrogging" continues until both teams are close enough to

assault the enemy position.

In maneuver Team A remains as the fire-base until Team B's flanking fire so disrupts the enemy that both teams can move in for the assault. The rifle platoon attacks in the same way as the squad: The three squads take turns as fire-base and moving elements or two can remain as fire-base while the third maneuvers. DO NOT use double envelopment (pincers move) as it is difficult to control and often results in friendly forces firing on each other.

The purpose of infantry is to close with the enemy to capture or destroy him. The unit leader makes the decision to assault based on the enemy's fighting condition as well as nearness to his position. (Normally within 10 yards.) After completing the assault either consolidate the position by digging in or move away using march tactics. Although daytime frontal attacks may inflict substantial casualties on the attacking force, they are normally preferable to night attacks because of the problems with control caused by poor visibility.

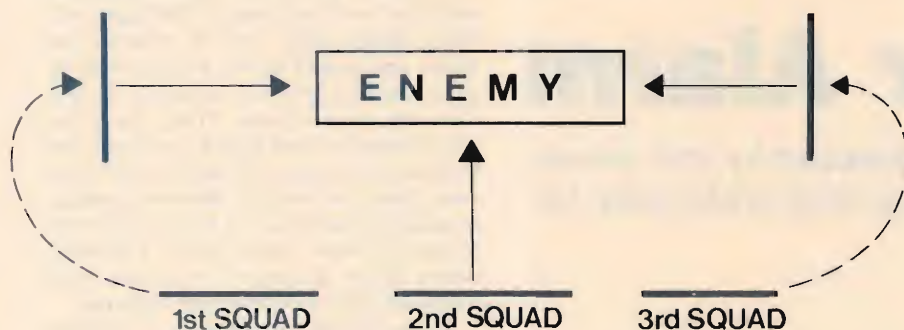
The most important factor in a successful attack is to get the men to fire and then to keep them firing. Experience has shown that this is a very difficult task to accomplish and one that requires firm leadership.

The Military Historian Brig. General S.L.A. Marshall studied front line warfare in World War 2 and concluded that only 15 percent of riflemen in action actually fired their weapons in battle. The reason? Firing means exposing your head or body so most men hid their heads in their hands and let the firing be done by others. The thought that "If I don't fire at them, they won't fire at me" is also a contributing factor to poor fire-discipline.

Rifles should be zeroed in for 300 yards range, but use aimed fire only at rest, from prone or sitting positions. When moving forward in a standing position as in the assault phase of the attack, all fire should be by instinctive pointing, with rifles held at waist level and the eyes concentrating on the targets. No one can align sights properly when walking rapidly and if the men stop to aim, the momentum of the assault will be lost.

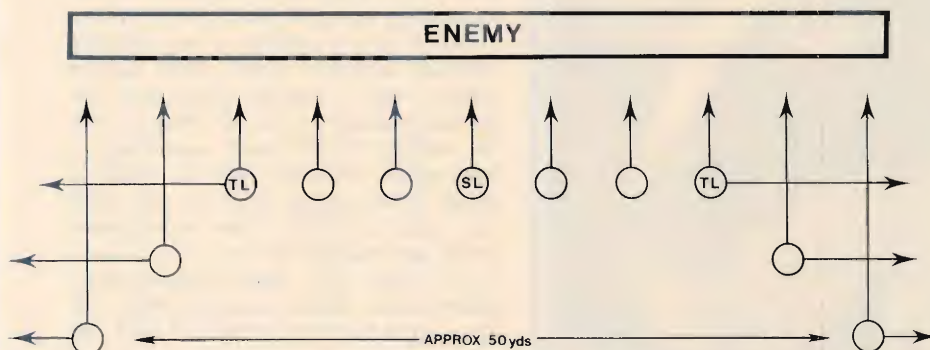
Be sure to keep the fire-base elements firing while the moving or maneuvering elements are in motion as such firing tends to keep the enemy heads down, thus reducing return fire. The hit rate or rifle fire in modern armies is estimated at under five percent so if you can get your men to fire at all, and then to fire with some accuracy you will really have achieved something. Poor marksmen have plagued armies for a long time as evidenced at the battle of Rosebud Creek on June 16, 1876, when U.S. General Crook's men fired some 25,000 rounds and hit only 99 Indians, 252 rounds per hit!

DOUBLE ENVELOPMENT



This tactic can lead to friendly forces firing on each other if improperly executed.

RIFLE SQUAD IN DEFENSE



Use 5-yard spacing between each foxhole. The foxholes at each end of the line should be dug large enough to accommodate two men in order to allow reinforcements from other parts of the line if necessary.

DEFENSIVE TACTICS—Defend on high ground if possible. Do not dig in on the highest part of the ground as your men will be silhouetted against the sky line. Form your main line of resistance (MLR) on ground which gives good fields of fire as well as an escape route for withdrawal. Ground which allows grazing fire (fire whose trajectory is parallel to the ground) such as a gentle slope is better than high points which permit plunging fire only. (Fire whose trajectory is at an angle to the ground.)

A squad should deploy on one line with foxholes staggered at both ends of the line to allow fire to both front and flanks. A platoon can deploy with all men on one line or can keep one squad in reverse (Dug in behind the MLR) to be used against flank or rear attacks or to reinforce the main line if there is a breakthrough.

Since survivalist platoons will normally operate as independent units I recommend all squads deploy on one line with end squads using staggered foxholes to protect the flanks.

DO NOT use outposts as they will be destroyed piecemeal. Keep all men on or behind the MLR.

When you withdraw, do so by echelon with elements of your force taking turns

with covering fire until all are withdrawn. Defensive tactics should always be viewed as a temporary expedient by any unit operating alone. **DO NOT** allow yourself to be pinned down but withdraw as soon as possible. After withdrawal march tactics are reinstituted.

Conclusions—By training in the small unit tactics covered here your units will improve over time. If units should merge to form larger units such as companies and battalions, use the same tactics to handle them. The larger the unit the more vital communications become, either with radios or with runners, in order to control and coordinate.

You will normally use offensive tactics only against an inferior force (except for hit and run). Use defensive tactics against a superior force and then withdraw. Do not counter-attack as you risk being drawn into a trap.

To be a successful tactician keep in mind the three principles of war used by the French Army: (1) Concentration of force; (2) Liberty of action; (3) Surprise. Finally give heed to the U.S. Army's axiom: "A poor plan well executed is far better than the best plan poorly executed."

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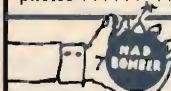


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ground by the spikes attached to them or buried. Any type of insulated wire (not included) such as speaker wire or standard appliance cord can then be connected from the control panel to each probe, which can be placed up to a mile from the control panel. Up to four probes can be used at once. The control module is powered by six



standard D cell batteries.

In a test of this device, we used standard electrical cord and regular flashlight batteries. Once rigged up, the seismometer probe was placed above ground with its spike inserted into the soil about 30 feet from the control panel. When the panel was switched on and tested, we found that footfalls within about 20 yards of the probe were picked up. Heavier vibrations, such as jumping up and down on the ground, were picked up even further away. Up close, within about 10 feet of the probe, even extremely light footsteps were detected.

When turned on, there is a uniform whining noise emanating from a speaker in the control unit. Seismic vibrations around the probe cause the noise to become louder and irregular and are easy to notice. Plugging in the ear phones is supposed to cut out the speaker but our phones did not work, so we used just the speaker. SI will replace any defective parts of these units.

This is in our opinion a very effective intrusion detection device which can be utilized over a two-mile wide area for perimeter security. The AN/PSR-1A cost the military \$2,400 each, according to information we have from SI, which is selling these surplus units for only \$295 each plus \$10 S&H. Extra seismometer probes are available for \$19.95 each. Contact SI, Dept. ASG, 18239 Figueroa Ave., Gardena, CA 90248; (213) 324-8855, toll free outside California (800) 533-7415. ●



The seismometer probes can be stuck into the ground or buried and are connected to the control panel with any type of insulated wire.



LEFT & ABOVE — The detection set can be operated by a speaker in the control panel or with earphones for silent use. Control panel can be used with up to four probes at once.

All For One And One For ...?

(Continued from page 49)

chief operating officers could be relocated in the event of an attack. The facility was a three-story alternate company headquarters, complete with clinic, laundry, food and water supply, and kitchen. In 1975 Shell said it would no longer be utilizing the facility. According to Shell public affairs personnel the facility has since been shut down.

Exxon Oil Co. Inc., while not being specific about locations and shelter details did say recently through a company spokesman that "Exxon has contingency plans that would relocate key executives at various locations some distance from its New York headquarters."

American Telephone and Telegraph is another company that plans to survive and operate during and after a nuclear war. For many years ATT has been working on the hardening of key systems and facilities against blast and electromagnetic pulse (EMP) effects of nuclear detonations. The ATT National Emergency Control Center in Netcong, New Jersey, is an installation which is designed to continue vital operations even after a nuclear attack. The center is in operation on a daily basis as a switching and control center. It has been designed and redesigned to be able to continue functioning even after the nearby impact of a nuclear blast.

In 1978 the federal government published the "Disaster Planning Guide for Business and Industry." This document urged companies to plan to protect vital records and equipment. It also urged that emergency management succession lists be prepared and maintained. A suggestion that large companies also establish alternate corporate headquarters was included in this publication. Many companies besides the ones mentioned above have taken this advice and are in the process of establishing such plans. Among them is the Boeing Aircraft Co. which has been testing methods of protecting vital machinery and tools from blast effects. Noting such actions, it becomes clear that a company which is planning to protect machinery is also no doubt planning to protect its key personnel and management officials.

It is worth noting with a sense of irony at this point that every night in the National Archives in Washington, D.C., the documents which give meaning to this country, the Constitution, the Bill of Rights, and the Declaration Of Independence, are carefully lowered from public view into a vault. This vault weighs in excess of 50 tons and is covered on top by doors weighing 11 tons. The vault was built in the 1950s with the specific intention of being able to withstand a nearby atomic explosion. Should the bombs come, these documents will be safe. Whether ordinary citizens will still be around to admire and read them remains to be seen. ●

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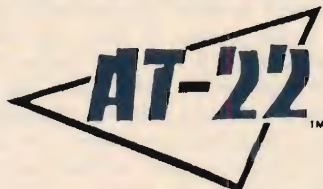
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Digging Deeper

(Continued from page 25)

budget cutting mood, the federal government eventually consolidated several Midwestern emergency medical supply depots, including the terminal warehousing, at an above-ground federal depot outside Missouri. The decision was made solely on reducing warehousing costs and not on the proximity of the federal facility to potential target sites.

As in the past, ideas on CD today are conditioned by attitudes on nuclear war survival. Pacifists and strong advocates of total nuclear disarmament tend to disparage post war survival potential and therefore the viability of any CD measures. As one local physician on an inspection committee for the Ozark Terminal's medical depot phrased it in 1972, "Thousands of pairs of crutches . . . What good would that do after a nuclear war?"

For their part, federal programmers and big business corporations seek to preserve the national government, the capitalist system and the West's way of life after World War 3. Detailed plans include provisions for relocation of critical government and corporate personnel, as well as strategic material storage in various massive underground shelters.

Another element of the plan is the "Peoples' Protection Program (PPP)"—formerly known as "crisis relocation"—for urban populations. Since 60 percent of the national population lives in 18,000 square miles of heavily urbanized, high risk areas, the plan proposes to at least temporarily resettle many of these people in areas removed from vulnerable metropolises.

The PPP further envisions that more than 95 percent of the people wishing to move could be relocated in three days; 80 percent of the U.S. population including two thirds of the relocatees would theoretically survive an attack. The federal government would fund evacuations, housing and feeding of relocatees at an estimated cost of about \$2 billion per day.

Unlike some 1960s scenarios, the PPP assumes that a nuclear strike "out of the blue" isn't likely. Instead, an attack would be preceded by a period of international tension allowing time for the relocations. International tension might be characterized by a tactical nuclear strike abroad or by mass evacuations of major Soviet cities.

Claiming that the PPP in the U.S. is a good deterrent, civil defense advocates emphasize that it could be used as hard bargaining leverage with a potential aggressor during a crisis. Why would the enemy waste nuclear warheads on empty cities? But critics of the program assert that it's thus more of a strategic than a humanitarian plan. They also claim that with both sides planning to relocate their vulnerable populations, one side might preempt with a nuclear strike and thus beat the other side to the punch. Or per-



During the 1960s, an official at the Ozark Terminal processes documents at the federal Vital Records Depository, which contained papers, microfilm and other materials, some of it classified as top secret (National Archives).

haps worse, an aggressor against the U.S. might strike during the actual relocation when the population is most exposed.

Missouri now has seven high risk areas including cities with more than 50,000 people, and "hard targets" of missile silos and military air bases. While Springfield, Missouri, (140,000 pop.) lies 60 miles from low risk Newton County, the closest most-like regional targets are Tulsa, Oklahoma, (100 miles distant) and Kansas City (140 miles distant). CD officials except that the only serious danger for Newton County would be fallout.

Non-Nuclear Emergencies—At least in regard to non-nuclear emergencies, Newton County has one of the best programs in the state and an award-winning emergency mobile communications system. But because of federal bureaucratic delays, the entire communications network still hasn't received the grounding device that would protect it from the electromagnetic pulse (EMP) of a nuclear blast.

CD preparation varies drastically from county to county in Missouri. Immediately to the south of Newton County, one of Missouri's poorest rural counties has practically no CD at all, and it would depend entirely on Neosho for administration and equipment. As Newton County's assistant CD director puts it, "We wouldn't turn down a neighbor."

Because of Newton County's low risk status and its relatively sophisticated program, the PPP designates the county as a "host area" for 85,000 residents of Jackson County (Kansas City, Missouri) who would enter Newton County on one of the region's main north-south arteries. This mixed four-lane and two-lane highway would become a one-way south road during an international crisis. Theoretically, most Jackson County residents would come south in their own transportation. Newton County could also expect "spontaneous" relocatees who would leave Kansas City without official urging.

Relocatee sheltering in the host area is a highly controversial aspect of the PPP. There is no plan for resettling the Jackson County refugees after the nuclear emergency subsides.

Neosho alone is supposed to temporarily shelter 53,000 relocatees. Most public

shelters would require rapid upgrading against fallout by moving earth against walls and on top of roofs. Designated shelters would also require food stocking, increased sanitary facilities, air filters, auxiliary power and RADEF. In fact, the current condition of most proposed fallout shelters is poor.

County residents and relocatees are supposed to provide labor for tasks like earth moving. The county CD director explains that, "CD literature doesn't emphasize this, but the counties would be under martial law. There wouldn't be any discussion as to whether you do or don't want to shovel dirt."

From the standpoint of fallout protection and sheer space, the optimum county shelter is the terminal with its current total of 600,000 sq. feet of finished space and an additional 1,500,000 sq. feet of unfinished area adaptable to storage and sheltering. County CD officials still have this option, but this would require additional supplies and sanitary facilities. Moreover, current CD planning has de-emphasized such mass population shelters. "We don't now expect an all-out nuclear attack," stresses the county CD director. Also, we've learned a lot more about RADEF since the 1960s. Thus the mass population shelter for low risk areas has become an outmoded idea."

Because of the budget cutting mood in Washington, D.C., the future of the PPP seems uncertain. Some officials feel the entire plan is unfeasible either for financial, logistical or social reasons. Also, the Reagan administration emphasizes military and technological preparedness—as in the Strategic Defense Initiative program—over the seemingly passive posture of civil defense.

Of course the viability of regional and national CD planning depends ultimately on the extent of a nuclear attack. Federal CD planning now emphasizes the likelihood of a limited war. Rather than expending all their weapons, both sides would theoretically reach a truce after achieving some form of parity with an initial nuclear exchange. Survival would also depend on



Box cars on a railroad spur were pushed into the Ozark Terminal for unloading massive amounts of CD equipment and supplies (National Archives).

other variables: air versus ground bursts which produce higher fallout levels; wind patterns affecting fallout transmission; and "counter force plus avoidance" attacks (focusing on military targets and trying to avoid population centers) versus "counter value" attacks directed at population centers.

Some authorities still postulate prolonged, total war. Soviet military doctrine provides for this possibility. The saying that "Russians make war as if it was grand opera" fits with Soviet reactions to nuclear disaster films like *The Day After* and *Threads*. "Russia suffered much worse than that during World War 2," commented some Soviet viewers. The loss of 20 million people and the entire infrastructures of major cities during this war suggest the magnitude of what Soviet Russia might expect and prepare for in World War 3.

True, some theorists minimize the effects of nuclear war. Their reasoning is often circuitous. One of the most bizarre and macabre notions recently advocated is that a nuclear attack on the U.S. would have beneficial side effects because it would eradicate urban blight! In this vein, world wide nuclear war would also solve the earth's over population problems. Others argue that a nuclear war's environmental damage couldn't possibly match the ecological catastrophes already caused by mankind. Some theorists also optimistically claim that since 1949, the sheer capability for international nuclear war has eradicated its possibility because there would be "no victors and no vanquished."

But the current trend in scientific predictions is somber about survival chances. If scenarios about "nuclear winter" and "abnormal solar radiation" are valid, we might well experience a survival-of-the-fittest society. Imagine the search for scarce food worth its weight in diamonds. "After a nuclear war," the Ozark Terminal manager cautions, "I sure wouldn't want to sit out here trying to protect large food supplies. No, I'd protect my family."

One positive note in grim predictions by scientists is that in our technological age, people do respect their opinions. As a seer of the earth's future, the scientist does command attention even if his theories are far from infallible. In both the U.S. and Soviet Russia, scientists' despondent thinking about the unthinkable might contribute to an ultimate nuclear war deterrent. Both nations' enhanced awareness might eventually resemble the Japanese attitude on nuclear war after Hiroshima and Nagasaki. This new conscience could become more encompassing than the worthwhile but constantly changing ideas about civil defense. And we can hope that the world won't have to dig even deeper towards a society of cavemen. ●

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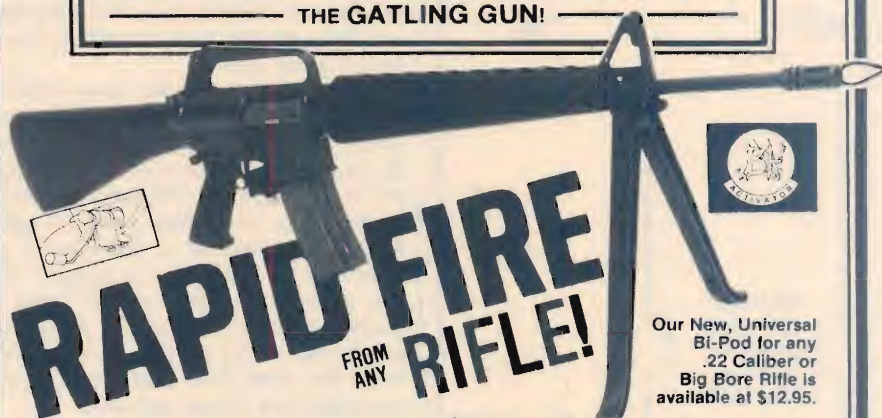
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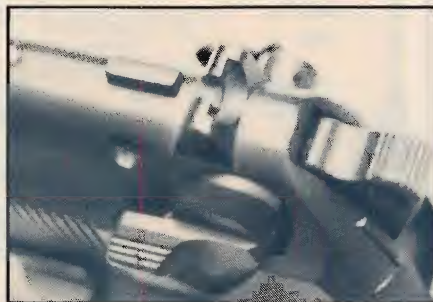
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Beretta

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The top of the slide's rear shows the firing pin block in the raised position, which can only occur when the trigger is pulled to the rear.



jewelers file the rear notch is slightly lowered, till the whole front sight can be viewed within it. Care must be taken not to widen the sight at all or deepen the notch too much—also making sure to leave an amount of the white post at the bottom of the notch. This modification is being done on newer models of the 92F and improves your ability to quickly pick-up the front sight.

Improved Safety Features—The 92F's safety features are excellent and improve your safe handling. A defensive handgun must not only be safely and effectively used, but it must also be safely stored and handled. You may never have to use it, but you will always have to be safe with it! The 92F has two safety features, the safety lever and firing pin block, that combine to produce a safety system.

There is only one safety lever, which is ambidextrous, that performs three functions. When it's pushed "ON", it: 1) pivots the rear section of the two-sectioned firing pin out of alignment with the front section so the firing pin cannot work; 2) safely decocks the hammer on the rear of the slide; and 3) disengages the trigger. This one safety lever, when rotated down by pushing it "ON," makes the pistol completely safe. If the safety is on the pistol is safe. The safety lever makes loading and unloading very simple and safe.

Simply push the safety lever "ON," insert a loaded magazine, pull the slide to the rear and let it fully fly forward chambering the first round from the magazine. The hammer will safely decock on the rear of the slide automatically. The auto is now loaded with the safety "ON" and hammer safely lowered. What could be simpler and safer? Note: If the slide, with the safety "ON," is not pulled back and fully released but eased forward, the slide may stay back slightly (as it does not have enough pressure to depress the decocking lever). If it does, simply place slight thumb pressure on the rear of the slide. This will assist (push) the slide slightly forward and will complete the lock-up and lowering of the hammer.

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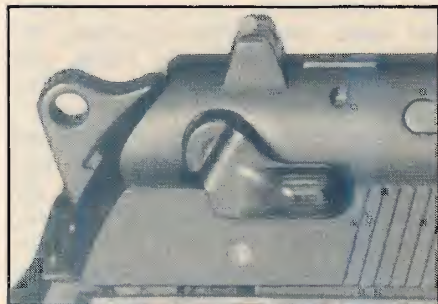
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Beretta

Firing the 92F—On the range, the 92F was put through its paces with three different types of ammunition—Federal, 115 Gr. Jacketed Hollow Points; Winchester 115 Gr. Silvertips; and NATO 9mm Ball. Across the board accuracy was excellent, with Federal slightly edging the others out in group tightness, measuring just under 2 inches at 25 yards, from a rested position.

For self-defense rounds, either the Federal Hollow Points or Winchester Silvertips should be used. The Beretta's inherent accuracy is excellent. The sights were designed for a center hold on the target, which is common on military pistols and a must on a defensive handgun.

When firing, the feel of the Beretta is very smooth in action and simple to control, with the recoil being virtually nil due to the 9mm round. All mechanical functioning worked smoothly without a hitch throughout the testing, with the three test



The right rear of the slide, showing the ambidextrous safety lever.

rounds feeling and ejecting without a malfunction. It was also noted that ejection was not erratic, but the empty cases created a nice pile to the side. When the Beretta was run dry (the last round being fired) on purpose, the slide release locked-up every time, holding the slide to the rear. Quickly inserting a fresh magazine and depressing the slide release was easily accomplished, chambering the first round from the magazine. One small problem was found in the "fit and feel" category. It was noted that the sharpness of the black plastic grip panels is a little too much (where the cross-cuts are made into the plastic). They abrade the hand and will wear any clothing that comes in contact with them. A light rubbing with very fine sandpaper took care of the problem by knocking the small points off, without producing a bad appearance—the grips are sand blasted for a subdued look anyway.

Using a locked-in, two-handed firing grip and stance, the 92F was a breeze to control in rapid fire groups of 3 and 4 rounds. These rapid fire strings were fired on TNTs (Turkey Neck Targets), placing quick groups in the chest and head areas

(Continued on page 73)

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Beretta

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at 10 yards (a realistic encounter distance). Control and ease of handling really stood out when firing the 92F, especially the ease of reacquiring the target. When firing one-handed point shooting strings at very close targets, good pointability was noted. Again, even one-handed, control was not a problem with the light 9mm recoil and a good wrist-set—locking the pistol in nicely.

Unloading—With the safety "ON," remove the magazine (you are removing 15 possible unintentional discharges), pull the slide back to eject the chambered round (visually check the chamber—a breeze with the open-top slide), and ease the slide forward till it locks in place (the hammer will automatically fall). Again, very simple and safe.

The Firing Pin Block is the secondary part of the safety system, this is an automatic safety feature that "locks" the front half of the firing pin when the trigger is not pulled back. A small piece of metal (viewed on top of the slide, just in front of the rear sight) is pushed-up when the trigger is pulled to the rear, freeing the front half of the firing pin. This safety feature was mainly provided to prevent an unintentional discharge if the pistol should fall and strike the ground muzzle-down, which in some automatics can cause a free-floating firing pin to strike the primer and set off a chambered round. This can not happen with the 92F.

The automatic firing pin block makes this auto virtually foolproof. If the shooter will just keep the trigger finger out of the trigger guard (except when coming on target, just before firing) this automatic block will render the pistol incapable of intentionally discharging no matter what else is done.

For self-defense applications the Beretta 92F is an excellent choice. This double-action, high-capacity 9mm auto's proven and reliable design, handling characteristics, and many realistic features, can provide the survival edge necessary whether at home or in the field. ●

Beretta 92F: Tech Specs

Caliber	9mm Parabellum
Operation	Semiautomatic short stroke, delayed blowback recoil operated
Action	Double-action
Magazine Capacity	15 rounds, staggered, also optional 20 round, staggered magazine
Barrel length	125mm (4.92 in.)
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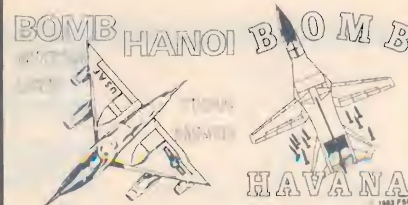
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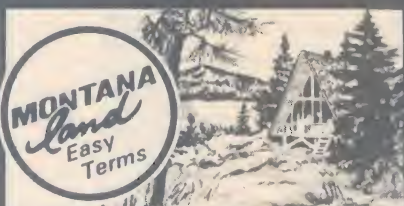
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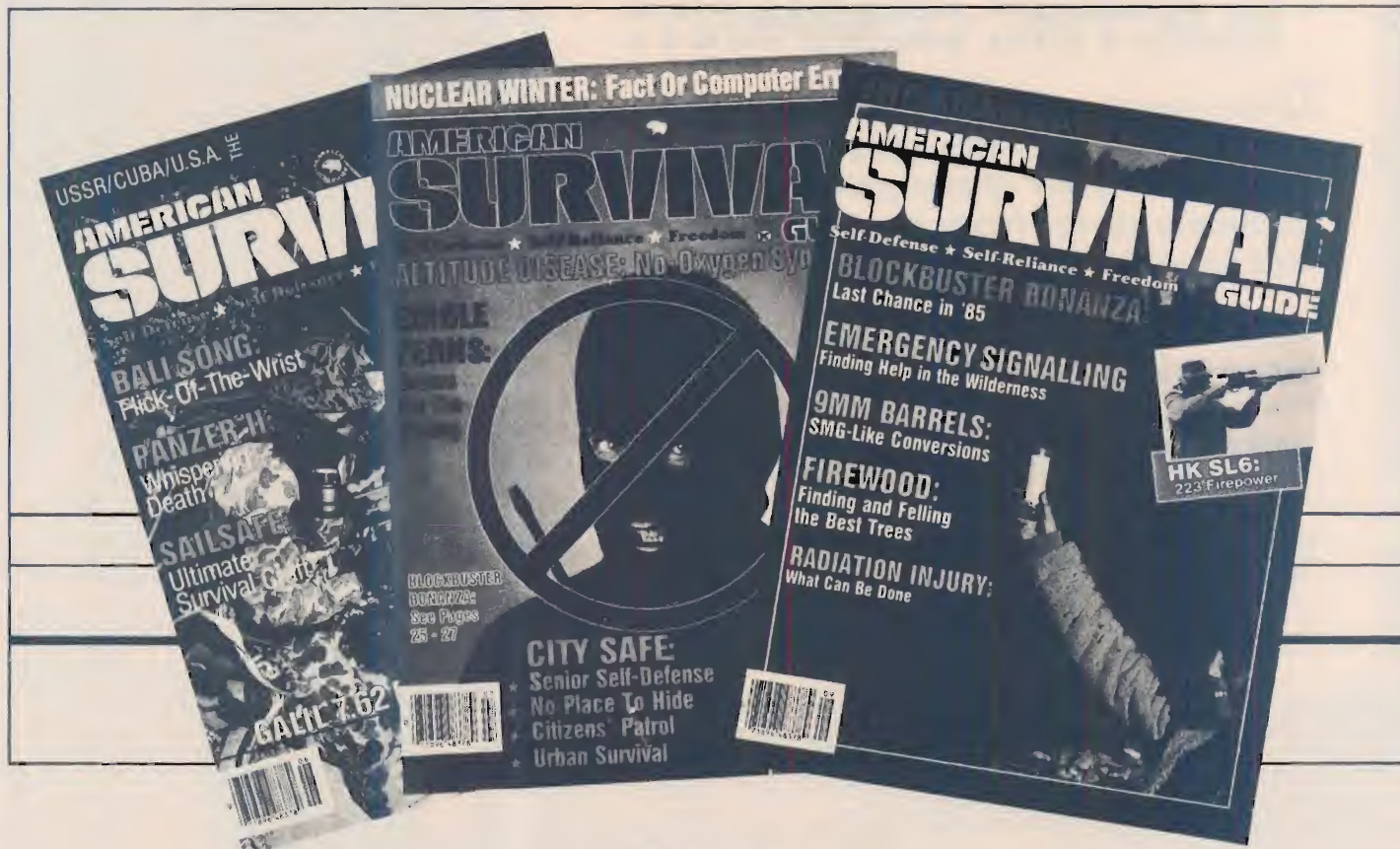
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